

No. 740.

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1938

JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
JANUARY, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F)			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
	ft.	ins.	ins.	°	°	°	°	°	°		°	
Morant Point Light House	8	30.024	29.991	77.1	80.1	81.5	75.0	6.5	84.6	7	70.3	30
Kingston	24	29.990	29.942	69.9	84.0	85.5	68.4	17.1	88.4	9*	63.7	16
Negril Point Light House	33	30.010	29.963	71.3	82.1	84.3	68.3	16.0	87.6	13*	64.0	12
Montego Bay†	33	..	..	69.5	82.1	83.9	66.3	17.6	88.0	7	61.0	23
Castleton Gardens	496	..	..	67.0	77.0	79.3	66.0	13.3	85.0	7	60.0	11*
Hope Gardens†	668	30.041	29.944	69.3	86.5	86.8	65.5	21.3	90.0	20	62.0	20
Hill Gardens, Blue Mountain	4,900	25.250	25.241	61.8	63.1	65.4	53.2	12.2	67.0	4*	51.0	20*

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.	3 p.m.			7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.	
Morant Point Light House	8	70	80	70	74	0.73	338	NNE	17.0	NNE	15.0	2.7	2.2	0.8	2.5	3.0	0.5	
Kingston	24	64	81	67	60	0.05	168	N	5.5	SSE	10.1	1.3	1.6	1.5	2.5	2.6	0.5	
Negril Point Light House	33	64	79	67	62	0.82	170	NE	6.8	Var.	9.3	2.9	0.5	1.9	2.5	2.9	0.8	
Montego Bay Castleton	33	67	89	73	75	1.33	..	ENE	2.0	ENE	7.0	..	..	..	..	..	..
Gardens	496	66	95	73	86	12.12	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	64	85	71	60	0.30	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	58	86	61	92	3.98	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

† Montego Bay—observations made at 8 a.m. and 3 p.m.

National Oceanic and Atmospheric Administration

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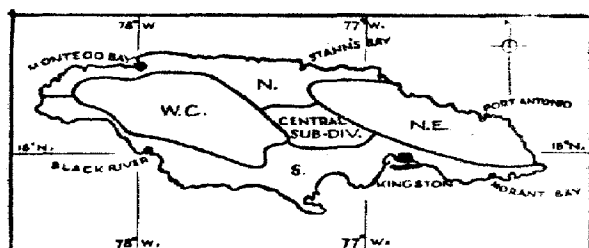
March 28, 2002

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



STATIONS.	January, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	2.70	0.93	1	15	5.61
Priestman's River	2.07	0.50	1	7	5.66
Bath	4.29	2.05	1	7	6.12
Barrett's Gap	4.72	2.10	1	6	..
Millbank	20.08	5.49	29	18	..
Comfort Castle	16.93	4.34	29	23	..
Moore Town	15.25	2.10	27	24	16.89
Port Antonio	5.61	2.03	1	15	8.71
Passley Garden	6.68	2.32	1	13	..
Fellowship	8.77	2.11	1	17	12.54
Johnson River Br.	0.00	..	..	0	3.30
Trinity Ville	0.84	0.65	6	3	..
Fruitful Vale	14.57	3.10	1	17	..
Hope Bay	6.58	2.20	1	20	..
Cedar Valley	1.11	0.38	2	6	3.65
Moy Hall	..	..	..	..	3.65
Paradise	16.79	3.00	1	23	..
Lennox	12.91	2.87	1	21	..
Greenvale	14.80	3.60	29	19	20.33
Darley	7.14	2.75	1	21	..
Spring Garden	6.54	1.86	1	15	8.92
Hill Gardens	3.98	1.15	29	10	7.10
Buff Bay	6.92	2.32	1	16	9.33
Buff Bay R. Est.	10.57	2.35	1	22	..
Belvedere, Portland	8.90	3.00	1	14	12.41
Windsor Castle, do.	6.12	1.81	1	18	6.37
Balcarras	21.96	7.21	29	14	..
Mt. Holstein	14.00	5.36	29	16	16.06
Cedar Hurst	10.54	3.21	29	14	..
Hardware Gap	6.34	1.36	6	13	5.70

STATIONS.	January, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Rose Hill	0.89	0.21	6	7	4.11
Mount Cressy	14.32	5.20	29	..	..
Hermitage	1.07	0.57	6	..	..
Mount Airy	7.35	2.85	30	12	..
Stony Hill Ind. Sch.	0.71	0.38	6	3	2.96
Boon Hall	1.02	0.48	6	7	..
Brandon Hill	5.13	1.15	30	10	..
Enfield	17.36	5.00	30	15	..
Agualta Vale	6.11	1.61	1	15	7.44
Castleton Gardens	12.12	2.68	29	15	9.29
Water Valley	4.72	1.40	1	14	7.96
Albany	5.51	1.36	1	19	4.63
Lawrence Tavern	1.14	0.26	26	7	2.69
Wey Hill	6.50	1.03	27	14	..
Richmond, St. Mary	4.64	1.30	30	11	7.20
Quebec, St. Mary	4.27	1.32	12	8	6.36
Above Rocks	0.00	..	..	0	..
Glengoffe	2.65	0.55	26	9	..
Carew Castle	1.41	0.34	2	8	2.72
Hampstead, St. Mary	7.39	1.75	1	14	10.18
Windsor Castle do.	7.69	1.73	30	17	..
Troja	4.37	1.96	30	8	..
Pear Tree Grove	3.46	0.60	11	8	..
Guy's Hill	5.47	1.34	30	17	6.24
Lucky Hill	4.76	0.90	30	15	7.45
Rio Hoe	4.74	1.36	30	12	5.76
Unity Valley	4.49	1.35	30	17	4.93
Moneague	4.04	1.06	30	13	4.84
Claremont	4.88	1.10	30	18	5.91
Averham Park	8.51	2.03	26	17	7.06
Albion	6.02	1.73	30	13	5.37
NORTHERN DIVISION (N.)					
Port Maria	3.59	1.05	1	14	5.85
Wentworth	4.12	1.12	1	13	..
Oracabessa	3.29	1.22	1	13	..
Huddersfield	3.00	1.05	10	4	..
Ocho Rios	4.88	1.10	30	18	4.73
Rockfield	8.66	3.06	26	15	7.67
Liberty Hill	5.59	2.00	27	12	6.53
St. Ann's Bay	2.58	0.96	26	9	5.22
Richmond Estate	1.90	0.55	26	8	5.82
Runaway Bay	3.72	1.88	26	7	2.85
Knapdale	12.65	5.95	26	16	..
Alexandria	2.76	1.24	26	12	2.79
Bel-Air	6.65	4.70	26	6	..
Brown's Town	11.68	6.30	26	16	6.01
Wilton	11.88	5.24	26	14	..
Watt Town, St. Ann	2.87	1.74	26	7	2.82
Home Castle	13.80	6.50	26	11	5.52
Arcadia	8.95	2.90	26	11	4.76
Vale Royal	7.66	2.66	26	14	5.03
Harmony Hall	4.36	1.26	1	8	4.02
Duncan	5.00	1.35	26	9	..
Clark's Town	6.56	2.26	26	10	..
Falmouth	2.58	1.23	27	6	3.82
The Hague	..	..	..	..	..
Wales	..	..	..	..	..

STATIONS.	January, 1938.					STATIONS.	January, 1938.				
	Total fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	4.00	1.25	27	8	..	Mereworth	1.84	0.75	1	7	..
Barrett Hall	1.42	0.72	27	3	..	Mandeville	1.87	0.50	1	10	3.03
Success	1.15	0.60	26	2	2.12	Ulster Spring	5.85	2.00	28	9	3.42
Rose Hall	0.70	0.45	26	2	3.42	Greenvale	1.41	0.45	26	8	..
Cinnamon Hill	1.00	0.50	26	3	3.49	Albert Town	4.41	1.27	27	9	2.31
Tryall	0.80	0.45	26	2	2.12	Craig Head	4.65	2.10	26	4	..
Running Gut	0.75	0.55	26	2	3.54	Warsop	4.56	1.80	26	6	..
Spring Estate	0.65	0.40	26	2	3.83	Troy	2.98	1.72	28	3	2.02
Friendship	2.87	0.75	26	8	3.74	Wallingford	0.50	0.18	1	6	1.80
Retirement	1.85	0.68	27	7	3.51	Balaclava	0.53	0.21	1	3	1.81
Rose Mount	2.18	0.67	30	10	..	Braes River	0.53	0.23	26	3	..
Montego Bay	1.33	0.57	30	5	2.88	Wakefield	4.14	2.38	27	8	..
Anchovy	2.08	0.89	27	7	2.85	Aberdeen	1.14	0.34	1	4	..
Hopewell	0.43	0.20	26	3	..	Accompong	1.21	0.60	6	5	..
Blue Hole	0.44	0.14	28	4	3.15	Maggotty	0.74	0.30	6	4	2.90
Cascade	4.18	1.12	26	5	..	Lacovia	0.40	0.20	1	2	..
Lucea	0.30	0.10	6	4	3.13	Mulgrave	0.98	0.70	6	4	..
Haughton Court	..	..	..	..	2.58	Holland	0.14	0.14	1	1	..
Kendal—Hanover	2.30	0.95	6	4	..	Ipswich	0.91	0.75	6	4	..
Cousins Cove	1.32	0.81	7	7	..	Ginger Hill	1.03	0.48	6	5	..
Green River	1.43	1.00	6	4	..	Kempshot	3.83	1.63	27	10	3.76
Green Island	0.66	0.25	7	4	2.38	Mochó, St. James	3.78	2.10	27	8	..
Haughton Hall	0.89	0.46	6	8	..	Bandon Pen	..	..	..	..	..
CENTRAL SUB-DIVISION.						Catadupa	2.77	1.82	27	9	2.36
Knollis	1.39	0.46	2	5	..	Cambridge	1.51	0.82	27	3	2.33
Highgate (St. Cath.)	1.33	0.50	6	9	..	Springfield	1.67	0.69	2	6	..
Rio Magno	4.08	2.41	30	6	..	New Market	0.41	0.20	27	3	2.47
Riversdale	0.00	..	..	..	..	Kew Park	..	..	..	..	2.28
Headworks, R.C.C.	0.12	0.12	1	1	1.62	The Bog	1.34	0.36	8	6	2.73
Bog Walk	0.75	0.75	6	1	..	Bethel Town Dist.	2.52	0.90	27	8	3.41
Linstead	1.21	0.50	2	7	2.30	Burnt Ground	2.40	1.04	26	6	2.58
Ewarton	1.67	0.80	2	5	..	Haughton Grove	..	..	..	..	3.04
Cave Valley	2.38	1.12	25	5	2.21	Darliston	2.05	0.66	27	8	2.93
Guanaboa Vale	0.50	0.50	5	1	..	Bluefields	0.37	0.15	1	4	2.81
Point Hill	2.19	1.48	6	5	3.41	Whithorn	1.24	0.64	2	4	2.38
Brown's Hall	2.49	1.14	15	4	2.25	Water Works Pen	1.03	0.35	2	6	2.03
Bellas Gate	0.18	0.10	3	3	1.66	Williamsfield, Wld.	2.82	1.30	2	9	..
Rock River	0.65	0.57	25	2	..	Baulk	0.41	0.33	1	2	..
Crofts Hill	1.67	0.94	6	4	2.06	Askenish	..	..	..	..	3.48
Far Enough	0.95	0.31	6	8	..	Grange Hill	1.84	0.60	26	10	2.55
Suttons	1.68	0.58	6	4	..	Mount Eagle	1.93	0.64	2	7	..
Colonel's Ridge	0.81	0.56	5	2	..	King's Vale	0.33	0.21	7	4	3.05
Chapelton	1.25	0.79	6	4	2.09	SOUTHERN DIVISION (S.)					
Crooked River	1.50	0.70	6	5	..	Morant Point L. H.	0.73	0.32	1	11	4.16
James Hill	2.10	0.99	25	7	..	Golden Grove	..	..	..	..	..
Frankfield	2.55	1.12	25	5	1.45	Pleasant Hill	2.12	0.85	1	16	4.83
WEST-CENTRAL DIVISION (W.C.)						East Prospect	1.58	0.41	7	13	3.99
Mochó, Clarendon	1.32	0.99	3	3	2.00	Morant Bay	1.37	0.45	2	7	2.84
Smithville	2.57	1.17	25	6	..	Aeolus Valley	..	..	..	..	..
Clarendon Park	0.95	0.95	2	1	..	Yallahs	0.70	0.60	6	2	..
Porus	1.00	0.60	1	2	..	Easington	1.21	0.56	1	5	1.60
Boro-bridge	2.69	0.95	26	6	..	Llandewey	..	..	..	..	..
Spaldings	3.26	1.10	25	7	2.70	Mavis Bank	..	..	..	0	0.73
Williamsfield	1.68	0.64	3	9	..	Bull Bay	0.00	..	..	..	..
Brokenhurst	0.76	0.37	6	3	3.08	Dallas Castle	0.18	0.05	4	6	..
Shooter's Hill	0.96	0.32	6	6	2.05	Gordon Town	1.27	0.47	6	3	3.20
Wait-a-bit	11.65	3.89	26	10	..	Irish Town	1.51	0.50	3	6	2.22
Christiana	2.05	0.65	26	7	2.37	Hope Gardens	0.30	0.16	3	3	1.79
Holmwood	1.02	0.50	22	3	..	Waireka	..	..	..	..	..
Clifton Hill	..	..	..	..	2.10	Iver	1.90	0.80	6	6	..
Kendal, Manchester	0.83	0.34	6	3	2.24	Barbican	..	..	..	..	..
						Plumb Point L. H.	0.15	0.15	6	1	0.74

Gauge overflowed.

STATIONS.	January, 1938.					STATIONS.	January, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
King's House Gar.	0.14	0.14	2	1	1.35	Newport, Man.	0.76	0.36	1	4	2.56
Up-Park Camp	0.56	0.31	3	3	..	Alligator Pond	0.87	0.61	1	3	1.39
Cavaliers	0.39	0.19	3	3	..	Fairfield	1.03	0.64	1	9	2.38
St. Georges College	0.28	0.18	3	3	..	Pepper	0.65	..	..	..	..
Upper Kingston	0.16	0.11	3	3	0.55	Myersville	0.14	0.14	1	1	..
Parade Garden	0.18	0.14	1	2	..	Goshen	1.64	0.95	3	3	..
Kingston P.W.O.	0.05	0.03	3	3	0.87	Southfield, St. Eliz.	0.59	0.29	1	4	2.02
Constant Spring	1.00	0.64	6	4	..	Munro	1.41	0.55	4	8	..
Halfway Tree	0.96	0.75	1	5	0.97	Windsor, St. Eliz.	0.98	0.42	3	6	..
Clifton Pen	0.30	0.11	1	4	0.71	Torrington	1.02	0.52	31	2	2.26
Seaward Pen	1.12	0.88	1	2	..	Santa Cruz	0.57	0.27	3	3	2.51
Red Hills	1.11	0.55	3	5	..	Hounslow	0.85	0.75	3	2	..
Quarantine Station	0.20	0.15	2	2	0.65	Pedro Plains	0.46	0.41	3	2	1.60
Hematine	0.10	0.05	6	2	1.12	Mountainside	1.22	1.03	3	2	1.64
Spanish Town	0.03	0.03	30	1	1.32	Fort Charles	0.14	0.14	2	1	..
Hog Hole, St. Cath.	0.56	0.20	30	3	1.54	Black River	0.23	0.20	1	3	1.62
Old Harbour	0.32	0.20	30	3	2.03	Mt. Charles	0.13	0.13	1	1	..
May Pen	0.37	0.31	25	3	1.36	Font Hill	1.50	0.85	31	3	1.76
Glen Muir	..	..	..	..	..	Mount Edgecombe	0.45	0.15	30	6	2.07
Cottage	0.49	0.40	6	2	..	Sweet River	..	..	..	..	1.92
Belle Plain	0.68	0.68	1	1	..	Sav.-la-Mar	0.93	0.75	1	3	1.66
Milk River	0.45	0.45	1	1	1.75	Little London	0.95	0.70	1	2	1.90
Retrieve	1.26	0.50	1	3	1.21	Retreat	0.84	0.38	1	5	1.82
Stone's Hope	1.36	0.63	6	7	2.42	Negril Point L. H.	0.82	0.38	1	6	1.73

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	January.			
	Rainfall.		Rainy Days.	
	1938.	Ave.	1938.	Ave.
	Ins.	Ins.		
North-Eastern . . .	5.70	7.68	13	13
Northern . . .	3.09	3.67	7	8
West-Central . . .	1.79	2.80	5	6
Southern . . .	0.74	1.83	4	6
The Island means . .	2.83	4.00	7	8

SHOCKS OF EARTHQUAKE IN JANUARY, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
24th	9.00 p.m. (Approx)	I	Mt. Cressy Boon Hall Albany Highgate (St. Cath.) Kingston Quarantine Station.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—JANUARY 1938.

The mean rainfall for the Island was deficient in all Divisions, particularly the southern. Most of this restricted rainfall occurred during the first and last weeks of the month.

The greatest total fall for the month was 21.96 inches at Balcarres in the North-Eastern Division, and the heaviest fall in 24 hours was 7.21 inches at the same Station on the 29th.

No rain fell at Above Rocks, Riversdale and Bull Bay.

The mean number of rainy days was 7, the average for the month being 8.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland with 10.00 inches was highest; St. Mary with 6.34 inches second, and St. Ann with 6.23 inches third. Kingston with 0.16 inch was lowest.

Parish.	1938.	10-year Average.	Parish.	1938.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	0.16	0.55	St. James	1.87	1.93
St. Andrew	2.17	2.27	Hanover	1.43	2.38
St. Thomas	1.70	3.43	Westmoreland	1.30	2.46
Portland	10.00	10.76	St. Elizabeth	0.75	1.91
St. Mary	6.34	6.27	Manchester	1.46	2.24
St. Ann	6.23	4.25	Clarendon	1.44	1.60
Trelawny	5.72	2.40	St. Catherine	1.57	2.30

CITY OF KINGSTON.

The total rainfall for the month of January, 1938, was 0.05 inch, representing only about 6% of the 60-year normal of 0.87 inch. Greatest fall in 24 hours was 0.03 inch on the 1st. There were 3 rainy days as compared to the 49-year average of 4. The upper boundary of Kingston gauged 0.16 inch with 3 rainy days.

Distant rain to northward on 1 day, and distant lightning to north-westward on 1 day. Light Northerly occurred on the 13th, 15th, 16th, 24th, 27th and 28th.

The mean barometric pressure was 29.980 inches, the 33-year normal being 29.974 inches, showing .006 inch above the normal. The highest barometer reading was 30.131 inches on the 28th at 3 p.m. and the lowest, 29.881 ins. on the 5th at 7 a.m. corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 76.4°, the 33-year average being 75.8°, showing 0.6° above the average. The highest maximum was 88.4° on the 9th and 11th, and the lowest minimum was 63.7° on the 16th, giving an extreme monthly range of 24.7°. On the other hand, the lowest maximum was 82.4° on the 1st, and the highest minimum 73.1° also on the 1st. The maximum was below 90° throughout and the minimum was above 70° seven times. The greatest daily range was 22.5° on the 20th and the least 9.3° on the 1st.

The mean daily miles of wind registered was 168, the 25-year average being 163, shewing 3% above the average. The greatest number of miles of wind recorded in 24 hours was 289 on the 7th, and the least was 108 on the 30th. Highest hourly velocity was 26 miles per hour on the 23rd at about 3.10 p.m.

The mean relative humidity was 73%, the normal being 76%. The lowest 7 a.m. was 61% on the 22nd and the lowest 3 p.m. was 50% on the 18th and 29th.

Overcast conditions prevailed in the forenoon on 10 occasions and in the afternoon on 12.

Total evaporation for the month of January was 4.17 inches, the 10-year normal being 5.06 ins.

Mean daily number of sunshine hours 5.6.

NEGRIL POINT LIGHT HOUSE.

A Table on pages 6 and 7, giving the Meteorological Results for Negril Point Light House situated at the extreme western point of the Island for the year 1937, is appended.

The extreme maximum temperature recorded was 93.1° on the 15th of September, and the extreme minimum was 63.4° on the 5th of December. The greatest range of temperature was 24.2° in the month of December and the least range was 18.6° in June.

The greatest monthly rainfall was 12.27 inches in October, the average for 35-years being 8.21 ins. shewing 4.06 ins. in excess of the normal, and the least was 0.40 inch in December as against the 35-year average of 1.97 in. The total number of rainy days was 146 for the 12 months. October had the greatest number of rainy days, 21, followed by July with 20. December had only 2 rainy days. The year's total rainfall was 56.37 as against the 35-year average of 54.17.

The daily average wind recorded for the year was 146 miles. The highest daily average was 178 in December and the lowest was 102 in August.

The observations were conducted by Mr. J. S. Brownhill, J.P., the Superintendent of the Light House.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
February 20th, 1938.

CORRIGENDUM.

Weather Report 728, March 1937, Page (1), Meteorological Results, Negril Point Light House, Temperature 3 p.m. for 22.6° read 82.6°.

NEGRIL POINT, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR 1937.

FOR ELEVATION, See Foot Note

Month.	Barometer Pressure.		TEMPERATURE (FAH.)										Dewpoint and Relative Humidity.		Rainfall.	
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.			7 a.m.	3 p.m.	Actual Fall.	Av. for 35 yrs.	No. of Rainy Days.
	Ins.	Ins.	°	°	°	°	°	°	Max.	Min.	Range.	°	°	Ins.	Ins.	
January	29.972	29.921	76.9	71.8	82.7	85.4	69.5	15.9	88.2	64.6	23.6	66	71	1.83	1.73	7
February	.991	.947	75.3	69.7	82.1	84.0	67.4	16.6	85.6	64.5	21.1	67	91	1.55	1.86	8
March	.944	.899	76.5	71.8	82.6	84.3	69.5	14.8	87.3	65.9	21.4	69	91	3.01	2.77	9
April	.957	.915	78.5	74.7	84.0	86.1	71.1	15.0	90.6	67.4	23.2	71	86	2.10	2.92	11
May	.903	.874	79.5	77.1	83.4	85.4	71.9	13.5	88.2	69.4	18.8	72	85	10.43	6.25	16
June	.958	.936	80.4	78.3	84.4	87.3	73.5	13.8	88.3	69.7	18.6	72	82	4.54	5.59	9
July	.971	.950	80.4	78.2	84.0	88.3	73.2	15.1	92.5	70.5	22.0	71	81	6.00	5.83	20
August	.941	.907	80.9	78.0	85.5	88.5	73.6	14.9	92.3	71.7	20.6	74	86	2.28	6.50	17
September	.901	.864	81.4	78.1	86.7	88.8	73.9	14.9	93.1	71.9	21.2	74	86	3.99	6.71	11
October	.877	.832	79.8	76.6	83.9	87.1	73.5	13.6	92.6	71.6	21.0	74	87	12.27	8.21	21
November	.861	.816	78.6	75.3	83.0	85.3	72.7	12.6	89.3	69.6	19.7	71	88	7.97	3.83	15
December	29.942	29.898	77.4	73.9	81.9	84.2	71.6	12.6	87.6	63.4	24.2	67	79	0.40	1.97	2
Means	29.935	29.897	78.8	75.3	83.7	86.2	71.8	14.4	89.6	68.3	21.3	73	71	..	..	..
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	56.37	54.17	146

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 33ft. Height of Thermometer above ground 4 ft. 6 in. Height of Rain Gauge above the ground 6 ft. 6 in. Height of Anemometer above the ground of 94 ft. to the 31st May, 1935, and 22 ft. above ground from 1st June, 1935.

NEGRIL POINT--MEAN RESULTS CONT., for year 1937.

Month.	Wind. Miles per diem.	Wind: from and Miles per hour.			Clouds: in Tenths.						Weather Conditions, etc.
		7 a.m.	3 p.m.	11 p.m.	Lower.		Middle.		Upper.		
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	133	NE 4.7	Var. 9.3	NE 4.3	1.7	1.6	1.2	5.3	1.1	0.4	Clear 1, Cloudy 30, Overcast 3, Rain 7, Distant thunderstorm 7 days. Local thunderstorm 3 days.
February	124	NE 3.9	Var. 8.7	ENE 3.0	0.8	1.9	0.8	4.8	1.5	0.3	Clear 2 days, Cloudy 16, Overcast 2, and Rain 8 days.
March	135	ENE 3.6	Var. 9.8	ENE 3.0	1.4	3.3	1.5	3.6	1.9	1.0	Clear 1 day, Cloudy 18, Overcast 8, Rain 9, Distant thunderstorm and lightning, 1 day.
April	143	ENE 2.6	Var. 10.1	ENE 3.1	0.4	1.7	0.7	5.8	2.0	0.3	Clear 1 day, Cloudy 16, Overcast 2, Rain 11, Distant thunderstorm and lightning 3 days.
May	123	ENE 2.8	SE 8.1	ENE 3.1	1.9	1.9	1.2	4.4	2.8	1.6	Cloudy 12 days, Overcast 3, Rain 16, thunderstorm 5, Distant thunder and lightning, 8 days.
June	135	NE 3.0	SE 10.1	ENE 3.2	1.6	1.0	1.1	6.4	3.4	2.0	Cloudy 6 days, Overcast 15, Rain 9, thunderstorm 7, Distant thunder and lightning throughout.
July	114	NE 3.8	Var. 7.3	NE 2.5	1.6	2.9	0.3	5.2	5.4	0.8	Clear 1 day, Cloudy 4, Overcast 6, Rain 20, thunderstorm 13, Distant thunderstorm and lightning throughout.
August	102	NE 2.5	Var. 7.1	Var. 2.1	0.3	1.3	0.6	6.8	6.3	0.7	Cloudy 6, Overcast 8, Rain 17, thunderstorm 8, Distant thunder and lightning throughout.
September	107	NE 2.5	Var. 8.0	NE 2.1	1.0	1.3	0.4	4.1	4.0	2.4	Clear 4, Cloudy 7, Overcast 8, Rain 11, thunderstorm 2, Distant thunder and lightning throughout.
October	136	NE 4.5	Var. 7.6	NE 3.7	2.6	1.6	0.7	7.0	4.0	0.3	Cloudy 6 days, Overcast 4, Rain 24.
November	141	NE 3.6	Var. 7.0	NE 5.4	3.7	2.3	1.1	2.4	3.1	3.2	Clear 2, Cloudy 5, Overcast 8, Rain 15, thunderstorm 1, Distant thunder and lightning 5 days, Norther 18th-22nd.
December	178	NE 7.0	NE 9.7	NE 5.7	3.4	2.2	1.1	2.7	3.1	1.3	Clear 6, Cloudy 11, Overcast 12, Rain 2 days, Light Norther throughout the month.
Means	131	NE 3.9	Var. 8.6	NE 3.4	1.7	1.9	0.9	4.9	3.4	1.2	Rainfall for the year 56.37 inches, with 146 rainy days.

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No. 741.



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
FEBRUARY, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	30.035	30.007	74.9	78.0	80.0	72.8	7.2	83.0	15	65.1	25	17.9
Kingston	24	30.010	29.963	68.0	82.5	84.3	67.0	17.3	88.2	8	63.1	13	25.1
Negril Point Light House	33	30.024	29.982	70.9	81.3	84.4	67.4	17.0	89.4	8	62.1	5	27.3
Montego Bay†	33	..	..	67.6	81.2	83.0	64.0	19.0	87.1	24	55.0	28	32.1
Castleton Gardens	496	..	..	65.8	76.6	78.5	64.8	13.7	83.0	16*	57.0	16	26.0
Hope Gardens†	668	30.042	29.962	65.9	82.7	85.6	63.4	22.2	90.0	22	62.0	8*	28.0
Hill Gardens, Blue Mountain	4,900	25.242	25.230	60.3	62.0	64.4	50.9	13.5	67.0	28	45.0	21	22.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.	3 p.m.		7 a.m.			3 p.m.			
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.	
Morant Point Light House	8	69	80	69	73	2.31	231	NNE	12.0	NE	13.0	3.1	1.4	0.5	2.2	2.7	0.2	
Kingston	24	63	82	67	60	0.20	161	N	4.7	SSE	10.0	1.1	1.0	0.4	3.0	2.1	0.0	
Negril Point Light House	33	64	77	66	59	0.42	172	NE	6.7	Var.	10.0	1.5	1.5	0.4	2.3	4.1	0.0	
Montego Bay	33	65	90	73	76	0.22	..	NE	3.0	NE	7.0	..	..	..	..	..	..
Castleton Gardens	496	64	95	72	83	9.77	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	62	87	70	64	1.14	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	55	86	59	87	5.76	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

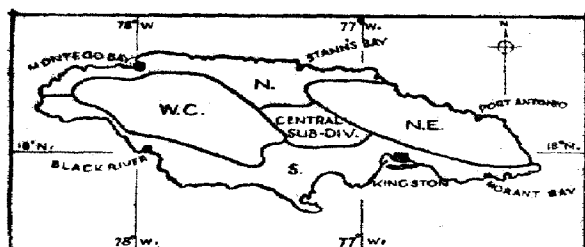
‡ Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last column that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



February, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	5.33	1.45	12	12	5.07
Priestman's River	3.66	1.45	2	11	4.42
Bath	3.73	0.86	11	13	4.24
Barrett's Gap	5.60	1.00	11	14	
Millbank	19.13	3.85	6	19	
Comfort Castle					
Moore Town	18.83	2.50	3	17	12.67
Port Antonio	8.26	1.90	3	12	5.80
Passley Garden	7.71	3.35	3	12	
Fellowship	11.99	2.80	11	18	9.87
Johnson River Br.	1.60	0.60	23	4	2.33
Trinity Ville	1.33	0.81	14	4	
Fruitful Vale	20.38	3.20	5	18	
Hope Bay	6.28	0.97	12	16	
Cedar Valley	2.53	1.00	2	7	2.54
Moy Hall					2.54
Paradise	16.72	2.70	6	20	
Lennox	10.15	2.91	5	15	
Greenvale	23.86	4.57	5	17	12.12
Darley	10.92	2.01	12	21	
Spring Garden	8.31	1.62	18	15	5.64
Hill Gardens	5.76	2.75	6	13	4.27
Buff Bay	9.65	2.00	19	18	7.54
Buff Bay R. Est.	12.18	2.01	16	17	
Belvedere, Portland	12.73	3.22	17	13	9.61
Windsor Castle, do.	8.45	1.94	19	17	5.59
Balcarras	26.92	6.60	6	16	
Mt. Holstein	15.03	6.34	6	15	8.70
Cedar Hurst	10.60	6.25	6	21	
Hardware Gap	6.56	2.86	6	17	3.99

February, 1938.

STATIONS.

NORTH-EASTERN DIVISION, contd.

Rose Hill	2.36	1.09	2	8	4.48
Mount Cressy					
Hermitage	2.04	0.70	6	13	
Mount Airy	8.31	4.52	6	10	
Stony Hill Ind. Sch.	1.19	0.49	6	6	2.32
Boon Hall	2.39	1.16	6	13	
Brandon Hill	6.89	3.06	6	13	
Enfield	16.15	2.82	5	15	
Agualta Vale	4.91	1.38	19	16	5.12
Castleton Gardens	9.77	3.12	6	14	5.31
Water Valley	4.88	1.75	19	12	4.81
Albany	5.72	1.68	19	16	4.62
Lawrence Tavern	2.86	1.85	6	9	2.48
Wey Hill	4.98	1.15	5	13	
Richmond, St. Mary	6.35	2.59	17	11	4.41
Quebec, St. Mary	4.45	1.07	19	11	4.37
Above Rocks	1.25	1.00	20	3	
Glengoffe	2.70	0.55	6	7	
Carew Castle	1.77	0.70	6	8	2.22
Hampstead, St. Mary	7.09	1.54	17	14	6.29
Windsor Castle do.	7.85	1.82	6	16	
Troja	3.15	1.10	17	7	
Pear Tree Grove	4.88	2.03	17	10	
Guy's Hill	4.96	1.27	17	15	3.96
Lucky Hill	6.89	2.10	17	15	4.95
Rio Hoe	4.89	1.02	17	12	3.88
Unity Valley	3.51	1.25	17	10	3.55
Moneague	3.57	1.18	17	12	3.97
Claremont	6.00	1.43	17	13	3.96
Averham Park					4.46
Albion	5.23	1.50	6	11	3.63

NORTHERN DIVISION (N.).

Port Maria	3.50	0.80	19	10	5.00
Wentworth	1.97	0.45	12	7	
Oracabessa	4.93	0.90	19	13	
Huddersfield	3.67	1.05	19	5	
Ocho Rios	2.89	0.75	19	8	3.48
Rockfield	6.20	0.93	12	15	5.22
Liberty Hill	2.31	0.44	19	12	4.46
St. Ann's Bay	2.66	0.70	19	9	4.60
Richmond Estate	0.96	0.30	12	8	4.10
Runaway Bay	1.51	0.50	19	5	2.26
Knapdale	6.92	1.59	17	11	
Alexandria	1.28	0.31	18	11	2.93
Bel-Air	3.45	0.75	17	13	
Brown's Town	3.56	0.85	17	14	4.29
Wilton	3.94	1.00	17	14	
Watt Town, St. Ann	1.82	0.50	16	11	2.90
Home Castle					3.30
Arcadia	2.59	0.77	17	10	2.61
Vale Royal	2.48	0.50	17	10	2.59
Harmony Hall	1.25	0.65	16	4	
Duncans	1.58	0.75	17	3	
Clark's Town	2.59	0.85	17	7	
Falmouth	0.26	0.15	6	3	1.82
The Hague					
Wales					

STATIONS.	February, 1938.					STATIONS.	February, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	1.47	0.42	17	7		Mereworth	2.79	1.20	20	10	
Barrett Hall	1.32	0.50	6	4		Mandeville	1.99	0.71	20	12	2.68
Success	1.62	0.54	17	7	2.23	Ulster Spring	1.34	0.55	23	7	3.43
Rose Hall	1.11	0.35	17	6	2.36	Greenvale	1.35	0.70	20	8	
Cinnamon Hill	1.06	0.40	17	6	2.54	Albert Town	1.80	0.51	19	7	3.06
Tryall	1.25	0.50	6	4	1.53	Craig Head	1.40	0.80	29	2	
Running Gut	0.87	0.26	17	5	2.17	Warsop	1.71	1.20	20	2	
Spring Estate	0.86	0.33	12	4	2.44	Troy	1.45	0.80	20	8	3.09
Friendship	0.97	0.50	5	5	2.27	Wallingford	1.24	0.50	16	6	3.43
Retirement					1.29	Balaclava	0.97	0.42	16	5	2.50
Rose Mount	0.73	0.21	10	6		Braes River					
Montego Bay	0.22	0.22	10	1	1.83	Wakefield	0.89	0.49	17	6	
Anchovy	0.31	0.11	10	5	1.41	Aberdeen					
Hopewell	1.21	0.80	20	3		Accompong	1.66	1.20	20	2	
Blue Hole	0.67	0.67	20	1	3.79	Maggotty	2.47	1.55	16	7	3.45
Cascade	0.96	0.63	20	2		Lacovia	0.65	0.42	20	4	
Lucea	0.27	0.10	17	4	3.36	Mulgrave	0.63	0.28	14	6	
Haughton Court					2.13	Holland	1.65	0.93	16	7	
Kendal—Hanover	0.29	0.27	20	2		Ipswich	1.15	0.40	16	7	
Cousins Cove	0.10	0.04	10	3		Ginger Hill	1.37	0.90	20	4	
Green River	0.08	0.04	18	3		Kempshot	0.36	0.15	11	6	2.71
Green Island	0.00			0	2.12	Mocho, St. James	1.00	0.75	20	2	
Haughton Hall	0.10	0.06	23	3		Bandon Pen					
CENTRAL SUB-DIVISION.						Catadupa	1.35	1.22	20	4	3.11
Knollis	0.51	0.25	23	3		Cambridge	1.44	1.39	20	2	3.23
Highgate (St. Cath.)	1.88	0.36	20	11		New Market	1.50	0.47	19	5	4.05
Rio Magno	1.34	0.53	6	4		Springfield	2.24	1.28	20	3	
Riversdale	3.00	1.50	24	3		Kew Park	1.41	1.25	20	2	2.84
Headworks, R.C.C.	0.34	0.22	24	2	1.64	The Bog	3.09	0.93	20	7	4.05
Bog Walk	0.00			0		Bethel Town Dist.	1.35	1.20	20	4	4.02
Linstead	0.52	0.20	24	6	2.17	Burnt Ground	2.40	2.36	20	2	2.67
Ewarton	1.18	0.42	24	7		Haughton Grove					2.92
Cave Valley	1.63	0.21	6	4	2.14	Darliston	3.90	1.86	16	4	3.62
Guanaboa Vale	1.49	0.61	24	5		Bluefields	3.80	0.75	15	10	3.73
Point Hill	1.00	0.26	23	10	3.37	Whithorn	0.82	0.34	16	3	3.03
Brown's Hall	0.89	0.29	20	4	2.18	Water Works Pen	1.98	0.61	19	4	3.20
Bellas Gate	0.66	0.36	24	4	1.67	Williamsfield, Wld.	1.31	0.80	16	4	
Rock River	0.45	0.22	25	3		Baulk	0.82	0.82	19	1	
Crofts Hill	0.29	0.29	9	1	1.47	Askenish					3.06
Far Enough	1.52	0.44	20	8		Grange Hill	1.94	0.83	19	6	2.75
Suttons	1.06	0.61	25	4		Mount Eagle	0.88	0.35	20	4	
Colonel's Ridge	0.81	0.21	23	7		King's Vale	0.20	0.20	19	1	2.62
Chapelton	0.60	0.34	20	4	1.58	SOUTHERN DIVISION (S.)					
Crooked River	1.10	0.27	23	8		Morant Point L. H.	2.31	0.78	12	12	2.73
James Hill	0.94	0.40	20	6		Golden Grove	3.89	0.55	24	15	
Frankfield	1.95	0.76	20	9	2.29	Pleasant Hill	2.81	0.55	23	14	2.53
WEST-CENTRAL DIVISION (W.C.)						East Prospect	1.97	0.55	23	9	2.52
Mocho, Clarendon	1.99	1.04	20	4	1.66	Morant Bay	1.22	0.40	24	7	1.95
Smithville	1.17	0.31	20	8		Aeolus Valley	1.02	0.39	24	6	
Clarendon Park	1.79	0.61	24	9		Yallahs	0.40	0.40	23	1	
Porus	0.50	0.50	24	1		Easington	0.32	0.15	2	3	1.36
Boro-bridge	2.40	1.10	1	4		Llandewey	0.73	0.53	3	2	
Spaldings	2.41	0.70	20	6	2.83	Mavis Bank	1.91	0.75	6	5	
Williamsfield	2.49	1.62	1	7		Bull Bay	0.27	0.27	2	1	0.42
Brokenhurst	1.66	0.30	3	8	2.47	Dallas Castle	1.99	0.37	23	13	
Shooter's Hill	1.51	1.00	1	3	2.18	Gordon Town	2.33	0.72	5	7	1.77
Wait-a-bit	3.04	0.56	17	8		Irish Town	1.71	0.31	5	8	1.65
Christiana	1.93	0.88	20	7	2.61	Hope Gardens	1.14	0.32	5	9	1.26
Holmwood	1.68	0.85	21	5		Waireka					
Clifton Hill	3.00	1.00	22	4	2.68	Iver	1.83			7	
Kendal, Manchester	1.85	1.05	1	5	2.49	Barbican					
						Plumb Point L. H.	0.20	0.20	26	1	1.65

*Gauge overflowed.

STATIONS.	February, 1938.					STATIONS.	February, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN	Ins.	Ins.			Ins.	SOUTHERN	Ins.	Ins.			Ins.
Division, contd.						Division, contd.					
King's House Gar.					1.22	Newport, Man.	2.67	0.97	3	6	2.55
Up-Park Camp ..	0.24	0.20	23	2		Alligator Pond ..	2.00	0.74	2	6	1.33
Cavaliers ..	0.43	0.16	20	5		Fairfield ..	3.34	2.12	2	12	2.45
St. Georges College ..	0.25	0.11	20	5		Pepper ..	2.85				
Upper Kingston ..	0.26	0.12	20	4	0.89	Myersville ..	3.49	1.40	2	7	
Parade Garden ..	0.14	0.08	19	2		Goshen ..					
Kingston P.W.O. ..	0.20	0.08	23	4	0.61	Southfield, St. Eliz.	2.67	1.06	2	9	2.59
Constant Spring ..	0.84	0.26	1	8		Munro ..	3.60	1.26	2	13	
Halfway Tree ..	0.50	0.35	1	5	0.85	Windsor, St. Eliz.	2.49	0.80	3	10	
Clifton Pen ..	0.06	0.06	23	1	0.64	Torrington ..	1.33	0.55	11	3	2.45
Seaward Pen ..						Santa Cruz ..	1.03	0.29	20	7	2.47
Red Hills ..	0.59	0.36	23	8		Hounslow ..					
Quarantine Station ..	0.48	0.36	4	4	0.44	Pedro Plains ..	1.42	0.74	2	2	1.38
Hematine ..	0.19	0.15	23	2	1.43	Mountainside ..	0.84	0.19	7	7	2.27
Spanish Town ..	0.11	0.05	1	3	1.33	Fort Charles ..	1.35	0.72	21	3	
Hog Hole, St. Cath.	0.48	0.24	24	5	1.72	Black River ..	1.98	1.21	20	8	1.70
Old Harbour ..	0.83	0.25	5	6	1.77	Mt. Charles ..	0.86	0.25	21	7	
May Pen ..	1.29	0.28	23	9	1.77	Font Hill ..	2.70	0.70	7	7	1.84
Glen Muir ..	1.60	0.60	25	3		Mount Edgecombe ..	2.91	0.76	20	7	2.47
Cottage ..	0.43	0.33	17	2		Sweet River ..					2.62
Belle Plain ..	6.12	2.52	24	9		Sav-la-Mar ..	1.35	0.34	16	6	2.08
Milk River ..	1.85	1.10	24	4	1.20	Little London ..	1.80	0.65	17	7	3.12
Retrieve ..	1.19	0.44	24	5	1.76	Retreat ..	0.92	0.41	16	5	2.71
Stone Hope ..	3.78	1.47	3	8	2.15	Negril Point L. H.	0.42	0.14	24	5	1.86

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	February.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
	Ins.	Ins.		
North-Eastern ..	6.84	5.48	13	10
Northern ..	1.43	2.48	6	6
West-Central ..	1.83	2.84	5	7
Southern ..	1.39	1.72	6	6
The Island means ..	2.87	3.13	8	7

SHOCKS OF EARTHQUAKE IN FEBRUARY, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None reported.	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—FEBRUARY.

The Mean rainfall for the Island was below normal in all Divisions except the North-Eastern, which had more than its average.

The greatest total fall for the month was 26.92 inches at Balcarres in the North-Eastern Division, and the heaviest fall in 24 hours was 6.60 inches at the same Station on the 6th.

No rain fell at Green Island and Bog Walk.

The Mean number of rainy days was 8, the average for the month being 7. Darley and Cedar Hurst in the North-Eastern Division, with 21 each, had most rainy days.

Fresh to moderate Northers were experienced on the north side during the month.

The Mean rainfall in each parish is given below. Compared with the 10-year average, Portland with 12.72 inches was highest; St. Mary with 6.21 inches next, and St. Ann with 3.46 inches was third. Kingston with 0.21 inch was lowest:—

Parish.	1938.	10-year Average.	Parish.	1938.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	0.21	0.61	St. James	1.00	2.20
St. Andrew	2.40	2.51	Hanover	0.57	1.93
St. Thomas	2.10	2.70	Westmoreland	1.79	2.90
Portland	12.72	7.77	St. Elizabeth	1.64	3.31
St. Mary	6.21	4.93	Manchester	2.07	3.09
St. Ann	3.46	3.45	Clarendon	1.57	2.26
Trelawny	1.75	2.76	St. Catherine	1.47	2.57

CITY OF KINGSTON.

The total rainfall for the month of February, 1938 was 0.20 of an inch; the 60-year normal being 0.60 inch. The greatest fall in 24 hours was 0.08 of an inch on the 23rd. There were 4 rainy days which corresponds to the normal for 49 years. The upper boundary of Kingston gauged 0.26 of an inch with 4 rainy days.

Distant rain was observed to northward on four days, and to north-eastward on 2 days.

The mean barometric pressure was 30.000 inches representing 0.019 inch above the 33-year normal of 29.981 ins. The highest barometer reading was 30.101 inches on 12th at 3 p.m. and the lowest was 29.943 inches on 20th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 74.9°. the 33-year normal being 75.7°, shewing 0.8° below the normal. The highest maximum was 88.2° on the 8th, and the lowest minimum 63.1° on the 13th, giving an extreme monthly range of 25.1°. On the other hand the lowest maximum was 77.4° on the 12th, and the highest minimum was 70.6° on the 7th. The maximum was below 90° throughout, and the minimum was above 70° twice. The greatest daily range was 23.4° on the 13th and the least was 11.3° on the 23rd.

The mean daily miles of wind, registered was 161, the 25-year average being 174. The greatest number of miles in 24 hours was 265 on the 26th and the least was 108 on the 17th. The highest hourly velocity was 24 miles per hour on the 16th at 2.15 p.m. with a S.E. direction.

There was a moderate "Norther" on the 9th also from the 26th to 28th. A SE squall blew on the 12th at 11 a.m.

The mean relative humidity was 75% the 33-year normal being 78%. The mean 7 a.m. was 82%, and the mean 3 p.m. 60%. The lowest 7 a.m. was 72% on the 27th, and the lowest 3 p.m. was 45% on the 26th.

Overcast conditions prevailed in the forenoon on 7 occasions, and in the afternoon on 13.

Total evaporation for February was 3.89 inches. The 10-year normal being 4.90 inches.

Mean daily number of Sunshine hours 5.6.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for February 1938, was 1.28 inch.

Greatest fall in 24 hours 0.53 of an inch on the 15th with 5 rainy days.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
March 20th, 1938.

OMISSION.

In Weather Report 739, December 1937—Page 9, Table (C), Barometer Pressure, November—.851.

MORANT POINT LIGHT HOUSE.

A table giving the Meteorological Results for the Station at Morant Point Light House, (situated at the extreme eastern end of the Island) for the year 1937, is appended. The extreme maximum temperature was 91.5° on the 14th of September, and the extreme minimum was 65.0° on the 17th of February. The extreme range for the year was therefore 26.5°. The greatest monthly range was 22.5° in March, and the least was 14.0° in December. The greatest monthly rainfall was 20.18 inches in November and the least was 0.36 inch in April. There were 164 rainy days for the year. November had the greatest, with 25 days, and the month of February, the least, with 5 rainy days. The total rainfall for the year was 74.50 inches. The months of January, May, October, November and December gauged totals in excess of their 60-year normals. The remainder of the months were deficient. Then for the 12 months, therein being 164 rainy days, there was an average of 0.44 of an inch per rainy day.

The mean total daily miles of wind was 264. June recorded the greatest with 335 miles, and September the least with 168.

The observations were conducted by Mr. Chas. Durrant, the Superintendent of the Light House.

MORANT POINT, JAMAICA.—METEOROLOGICAL RESULTS FOR THE YEAR 1937.

FOR ELEVATION, &c. (See Foot Note)

Month,	Barometer Pressure.		TEMPERATURE (FAH.)										Dewpoint and Relative Humidity.		Rain-fall.	Rainy Days.	
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.			7 a.m.	3 p.m.				
									Max.	Min.	Range.						
														°			°
January	29.990	Ins.	78.8	78.1	80.9	82.7	75.3	7.4	84.2	65.9	18.3	71	79	71	73	Ins.	15
February	30.000	29.971	78.0	76.8	81.4	82.9	73.0	9.9	84.7	65.0	19.7	69	78	71	72	0.72	5
March	29.958	.923	79.2	77.0	82.9	84.9	74.1	10.8	87.7	65.2	22.5	71	82	73	71	1.05	7
April	.977	.941	80.8	79.7	83.8	85.6	76.1	9.5	87.8	71.1	16.7	74	79	73	70	0.36	8
May	.922	.892	80.3	79.8	83.1	86.1	74.4	11.7	88.3	68.0	20.3	74	83	75	77	15.75	15
June	.985	.959	82.7	82.2	84.6	87.0	79.1	7.9	88.6	73.6	15.0	76	81	77	76	1.68	11
July	.993	.972	83.5	82.8	85.7	87.8	79.6	8.2	90.3	74.9	15.4	76	80	77	74	1.99	14
August	.948	.925	83.5	82.2	86.6	89.0	78.2	10.8	90.4	73.3	17.1	76	82	77	72	5.12	18
September	.912	.884	83.0	81.4	86.9	89.1	76.7	12.4	91.5	71.6	19.9	75	82	77	73	3.89	12
October	.895	.827	81.7	80.9	84.0	86.9	77.2	9.7	89.5	72.1	17.4	75	83	76	78	13.77	21
November	.873	.836	79.3	78.1	82.4	84.6	74.1	10.5	87.9	68.1	19.8	74	87	76	81	20.18	25
December	29.949	29.917	78.8	78.6	80.5	82.3	76.0	6.3	84.6	70.6	14.0	72	79	72	76	4.04	13
Means	29.950	29.917	80.8	79.8	83.6	85.7	76.1	9.6	88.0	70.0	18.0	74	81	75	74	...	...
Totals	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	74.50	164

Barometer pressure reduced to Standard of Kew, 32 degrees, gravity at Lat. 45° and Mean Sea Level. The 75th Meridian West of Greenwich, Standard Time used. Altitude of Barometer above Mean Sea Level 8ft. Height of Thermometer above ground 4 ft. 6 in. Height of Rain Gauge above the ground 3 ft. Height of Anemometer above the ground of 18 ft.

MORANT POINT, 1937.—MEAN RESULTS CONTD.

Month.	Wind. Miles per diem.	Wind: from and Miles per hour.		Clouds: in Tenths.						Weather Conditions, etc.
		7 a.m.	3 p.m.	Lower.		Middle.		Upper.		
				7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	
January	..	ENE 18.0	ENE 16.0	2.7	1.5	1.5	3.1	0.6	0.4	Rain 15 days, E. gale 19th and 22nd. Overcast 6 days. Clear blue sky 1 day. Thunderstorm 1 day.
February	..	ENE 10.0	ENE 10.0	1.8	1.2	2.1	2.9	1.2	0.7	Rain 5 days, overcast 2 days, Clear blue sky 3 days.
March	..	E 9.0	E 8.0	2.5	0.7	1.7	2.3	0.7	0.5	Rain 7 days, overcast 5 days, clear blue sky 1 day.
April	..	NE 13.0	ENE 12.0	0.3	0.9	2.6	3.4	0.5	0.7	Rain 8 days, overcast 5 days, Norther 12th, 18th, 19th and 20th.
May	..	E 9.0	ENE 8.0	2.6	2.5	2.1	2.6	0.7	1.6	Rain 15 days, overcast 7 days, thunderstorm 1 day, flood rain and E. gale on 31st.
June	..	ENE 16.0	E 16.5	1.6	0.9	2.8	2.8	2.7	2.2	Rain 11 days, overcast 3 days, E. gale 1st.
July	..	ENE 16.0	ENE 14.0	2.1	1.1	1.7	2.3	2.0	2.6	Rain 14 days, overcast 4 days, thunderstorm 3 days.
August	..	ENE 9.0	ENE 11.0	1.6	0.6	1.6	3.0	2.3	2.4	Rain 18 days, overcast 6 days, thunderstorm 1 day.
September	..	NE 6.0	Var. 6.0	1.7	1.1	1.9	2.1	0.8	1.4	Rain 12 days, overcast 4 days, clear blue sky 5 days, thunderstorm 5 days.
October	..	ENE 8.0	ENE 8.0	2.0	2.6	2.3	3.0	2.0	1.7	Rain 21 days, overcast 12 days, thunderstorm 3 days.
November	..	SE 10.0	SE 10.0	4.2	4.5	1.1	2.1	1.9	1.2	Rain 25, overcast 14 days, thunderstorm 3 days, Norther on 23rd.
December	..	NNE 22.0	NNE 19.0	3.7	3.5	1.4	2.3	1.6	0.9	Rain 13 days, overcast 10 days, thunderstorm 1 day. N. gale 3rd, 4th, 6th and 7th. N.E. gale 18th, 14th, 15th, 27th and 28th.
Means	..	ENE 12.2	ENE 11.5	2.4	1.8	1.9	2.7	1.4	1.4	Rain 164 days, Overcast 78. Thunderstorm 18. Clear blue sky 9 days, and Gales 13 days.

No. 742.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

MARCH, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)				Extreme Temperature. (F)					
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	30.026	29.992	76.4	80.4	83.0	73.7	9.3	85.1	24	65.0	4	20.1
Kingston	24	30.001	29.937	69.8	83.1	85.3	67.8	17.5	89.3	29	65.2	27	24.1
Negril Point Light House	33	30.009	29.966	70.5	82.0	84.7	67.4	17.3	87.5	9	63.1	21	24.4
Montego Bay†	33	..	..	68.5	84.8	87.0	64.9	22.1	89.1	18	58.5	1	30.6
Castleton Gardens	496	..	..	65.0	79.7	83.0	64.0	19.0	86.0	14*	60.0	1*	26.0
Hope Gardens†	668	30.038	29.945	66.1	85.5	87.9	65.3	22.6	92.0	29	63.0	1	29.0
Hill Gardens, Blue Mountains	4,900	25.259	25.248	61.0	62.7	64.5	53.0	11.5	66.0	29*	51.0	1	15.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.	7 a.m.		3 p.m.					
	ft.	°	%	°	%	ins.	Mis.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	68	78	71	74	0.93	276	NE	13.0	NE	13.0	2.6	2.2	0.2	1.1	2.7	0.3
Kingston	24	63	80	68	60	0.75	186	N	3.9	SE	15.7	0.6	0.7	0.1	3.0	2.8	0.2
Negril Point Light House	33	65	82	67	63	2.40	134	NE	3.9	Var.	8.8	0.7	0.7	1.0	3.0	3.6	0.0
Montego Bay	33	..	..	..	..	0.00	..	SE	2.0	NE	7.0	..	..	..	..	..	..
Castleton Gardens	496	63	95	73	79	1.64	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63	88	67	54	0.59	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	57	86	60	88	1.84	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

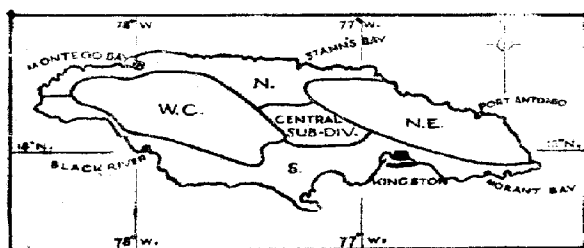
† Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-divisions; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



March, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which fall in 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)					
Manchioneal	2.19	0.58	22	13	3.08
Priestman's River	1.18	0.80	3	5	4.28
Bath	2.09	0.46	29	8	4.29
Barrett's Gap	3.20	1.10	29	10	
Millbank					
Comfort Castle	5.58	1.18	30	11	
Moore Town	7.12	1.52	9	14	9.97
Port Antonio					4.74
Passley Garden	1.78	0.41	1	8	
Fellowship	1.81	0.58	2	7	7.25
Johnson River Br.	1.41	0.72	2	4	2.76
Trinity Ville	1.00	0.63	2	2	
Fruitful Vale	3.00	1.46	28	4	
Hope Bay	2.50	0.61	27	10	
Cedar Valley	0.62	0.26	1	4	3.00
Moy Hall					3.00
Paradise					
Lennox	4.94	1.91	30	8	
Greenvale	3.50	0.59	9	17	10.12
Darley	3.80	0.81	25	14	
Spring Garden	3.69	0.62	27	11	5.81
Hill Gardens	1.84	1.05	3	6	4.55
Buff Bay	3.80	1.00	27	12	5.35
Buff Bay R. Est.	6.44	2.20	30	11	
Belvedere, Portland	8.12	2.60	30	8	6.53
Windsor Castle, do.	3.41	0.96	26	10	5.49
Balcarres	2.55	0.75	9	7	
Mt. Holstein	2.16	0.52	27	9	7.00
Cedar Hurst	2.39	0.39	28	13	
Hardware Gap	1.58	0.54	24	8	4.07

March, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Rose Hill	1.82	0.85	24	5	4.53
Mount Cressy	1.85	0.55	8		
Hermitage	0.82	0.18	23	9	
Mount Airy	2.51	0.61	17	8	
Stony Hill Ind. Sch.	0.72	0.12	27	7	2.97
Boon Hall	1.12	0.46	24	9	
Brandon Hill	1.14	0.69	8	5	
Enfield	3.85	1.00	8	10	
Agualta Vale	2.35	0.80	20	7	4.43
Castleton Gardens	1.64	0.54	27	9	4.73
Water Valley	2.98	1.88	20	6	4.29
Albany	3.68	1.95	20	7	3.87
Lawrence Tavern	0.69	0.19	17	4	2.75
Wey Hill	0.78	0.35	9	6	
Richmond, St. Mary	4.64	1.30	30	11	3.71
Quebec, St. Mary	5.25	3.70	27	5	2.91
Above Rocks	1.35	0.35	25	4	
Glengoffe	1.48	0.60	17	4	
Carew Castle	2.09	0.47	25	7	3.02
Hampstead, St. Mary	3.73	2.20	20	6	4.72
Windsor Castle do.	3.97	1.25	20	11	
Troja	0.50	0.50	8	1	
Pear Tree Grove	1.22	0.61	24	5	
Guy's Hill	1.47	0.83	20	7	3.14
Lucky Hill	2.11	0.80	20	7	3.14
Rio Hoe	2.32	0.87	21	9	3.62
Unity Valley	2.24	0.60	20	11	3.64
Moneague	1.49	0.79	20	8	3.40
Claremont	1.32	0.53	20	9	3.17
Averham Park	1.00	0.80	20	4	3.72
Albion	1.62	0.54	3	7	3.50
NORTHERN DIVISION (N.).					
Port Maria	5.79	3.70	26	8	3.06
Wentworth					
Oracabessa	5.59	3.20	26	7	
Huddersfield	3.60	1.55	26	4	
Ocho Rios	1.32	0.60	20	3	2.50
Rockfield	0.84	0.25	20	7	3.41
Liberty Hill	0.90	0.23	26	7	3.67
St. Ann's Bay	1.04	0.38	26	5	2.94
Richmond Estate	0.51	0.20	26	6	2.71
Runaway Bay	0.20	0.20	7	1	1.45
Knapdale	1.12	0.25	20	6	
Alexandria	1.35	1.12	3	3	1.91
Bel-Air	0.30	0.15	8	4	
Brown's Town	0.80	0.26	20	8	3.05
Wilton	0.55	0.25	20	6	
Watt Town, St. Ann	1.23	1.05	1	5	2.28
Home Castle					2.64
Arcadia	0.07	0.07	19	1	2.05
Vale Royal	0.20	0.10	21	4	2.32
Harmony Hall	0.14	0.14	20	1	2.04
Duncans	0.17	0.17	21	1	
Clark's Town	0.34	0.34	19	1	
Falmouth	0.03	0.03	29	1	1.71
The Hague					
Wales					

STATIONS.	March, 1938.					STATIONS.	March, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	0.00			0		Mereworth	3.67	0.95	6	9	
Barrett Hall	0.00			0		Mandeville	2.62	1.36	3	11	4.18
Success	0.00			0	1.74	Ulster Spring	1.22	0.70	3	7	4.09
Rose Hall	0.00			0	1.64	Greenvale	4.36	1.65	3	11	
Cinnamon Hill	0.00			0	1.69	Albert Town	3.99	2.10	4	7	4.05
Tryall	0.00			0	1.60	Craig Head	3.50	2.22	3	3	
Running Gut	0.00			0	1.55	Warsop	3.64	1.40	6	4	
Spring Estate	0.00			0	1.52	Troy	4.90	1.40	5	10	5.88
Friendship	0.07	0.07	24	1	2.43	Wallingford	3.74	1.33	2	6	4.70
Retirement	0.06	0.03	21	2	3.02	Balaclava	3.96	1.29	2	7	4.47
Rose Mount	0.00			0		Braes River	2.68	1.36	20	5	
Montego Bay	0.00			0	1.65	Wakefield	0.17	0.11	23	2	
Anchovy	1.22	1.10	21	3	2.13	Aberdeen	3.46	1.11	3	11	
Hopewell	1.03	1.03	21	1		Accompong	2.28	1.88	3	3	
Blue Hole	1.24	1.24	21	1	3.01	Maggotty	4.94	2.08	31	11	5.93
Cascade	2.07	1.38	21	5		Lacovia	4.58	1.52	2	7	
Lucea	0.41	0.41	21	1	2.37	Mulgrave	6.13	3.16	3	13	
Haughton Court					2.22	Holland	3.04	1.34	6	12	
Kendal—Hanover	2.74	1.57	21	7		Ipswich	4.85	1.64	3	13	
Cousins Cove	1.01	0.64	21	4		Ginger Hill	5.03	2.22	3	13	
Green River	2.46	1.34	21	8		Kempshot	0.27	0.19	21	4	3.11
Green Island	1.20	1.02	21	4	3.29	Mocho, St. James	1.57	0.57	3	6	
Haughton Hall	1.41	0.91	21	7		Bandon Pen					
CENTRAL SUB-DIVISION.						Catadupa	2.58	0.80	21	11	4.11
Knollis	2.00	0.72	17	5		Cambridge	3.96	2.46	21	7	4.77
Highgate (St. Cath.)	4.24	1.31	27	12		Springfield	5.58	1.10	4	15	
Rio Magno	1.63	1.30	21	4		New Market	6.06	1.22	30	17	5.53
Riversdale	0.94	0.50	20	2		Kew Park	1.34	0.60	21	6	4.42
Headworks, R.C.C.	2.47	2.00	27	3	2.90	The Bog	7.69	3.18	6	16	6.34
Bog Walk	0.95	0.40	17	4		Bethel Town Dist.	2.83	0.94	21	13	4.69
Linstead	2.63	0.76	17	9	3.08	Burnt Ground	1.91	1.48	21	6	4.53
Ewarton	1.44	0.47	23	6		Haughton Grove					6.98
Cave Valley	0.78	0.45	25	2	2.70	Darlston	8.19	1.42	5	18	6.13
Guanaboa Vale	2.72	0.95	30	8		Bluefields	4.87	1.19	30	17	6.93
Point Hill	3.84	1.33	2	6	4.66	Whithorn	2.80	1.08	27	6	4.83
Brown's Hall	3.00	1.23	2	11	4.35	Water Works Pen	3.50	1.12	27	12	5.22
Bellas Gate	1.13	0.56	17	6	2.50	Williamsfield, Wld.	2.96	0.90	28	16	
Rock River	1.85	1.22	2	4		Baulk	4.31	1.46	21	10	
Crofts Hill	1.39	0.40	17	7	2.80	Askenish	3.49	1.57	21	11	4.08
Far Enough	1.44	0.47	3	8		Grange Hill	4.26	1.27	28	8	5.22
Suttons	4.16	1.91	2	4		Mount Eagle	4.94	1.77	22	7	
Colonel's Ridge	2.50	0.86	24	8		King's Vale	0.97	0.72	21	3	4.24
Chapelton	2.59	0.95	2	7	2.60	SOUTHERN DIVISION (S.)					
Crooked River	1.86	0.96	3	8		Morant Point L. H.	0.93	0.27	22	13	2.26
James Hill	2.23	0.67	3	7		Golden Grove	1.15	0.17	19	5	
Frankfield	0.90	0.30	2	5	2.14	Pleasant Hill	1.48	0.25	19	12	3.39
WEST-CENTRAL DIVISION (W.C.)						East Prospect	1.49	0.39	30	10	2.96
Mocho, Clarendon	0.64	0.25	20	4	3.22	Morant Bay	0.56	0.30	22	4	1.96
Smithville	2.74	0.94	6	11		Aeolus Valley	1.32	0.31	20	7	
Clarendon Park						Yallahs	0.60	0.20	18	3	
Porus	0.77	0.30	24	3		Easington	1.81	1.09	6	5	1.39
Borobridge	2.82	1.00	3	5		Llandewey					
Spaldings	2.13	0.91	3	4	2.66	Mavis Bank	1.07	0.46	2	4	0.41
Williamsfield	5.01	1.83	3	11		Bull Bay	1.19	0.35	2	7	
Brokenhurst	2.82	0.93	6	6	3.05	Dallas Castle	0.50	0.30	24	2	1.70
Shooter's Hill	2.04	1.05	24	5	3.02	Gordon Town	1.28	0.68	24	2	1.98
Wait-a-bit	4.01	2.29	3	6		Irish Town	0.59	0.26	24	6	2.01
Christiana	3.40	1.22	22	7	1.23	Hope Gardens					
Holmwood						Waireka					
Clifton Hill	1.80	1.30	3	3	2.52	Iver					
Kendal, Manchester	3.42	0.76	2	8	3.28	Barbican					
						Plumb Point L. H.	1.58	1.55	26	2	0.83

*Gauge overflowed.

STATIONS.	March, 1938.					STATIONS.	March, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	1.03	0.83	24	2	1.54	Newport, Man.	1.99	0.56	6	7	2.96
Up-Park Camp	0.59	0.34	24	2		Alligator Pond	2.20	0.69	25	8	2.43
Cavaliers	0.53	0.20	24	5		Fairfield	2.98	0.98	6	10	1.61
St. Georges College						Pepper	4.50				4.86
Upper Kingston	1.03	0.77	27	6	0.76	Myersville	2.38	1.09	25	5	
Parade Garden	0.94	0.84	26	2		Goshen	3.09	1.80	3	5	
Kingston P.W.O.	0.75	0.57	27	5	0.94	Southfield, St. Eliz.	2.03	1.32	24	4	2.11
Constant Spring	2.36	1.30	24	5		Mumro	1.88	0.74	25	8	
Halfway Tree	0.92	0.48	24	3	1.16	Windsor, St. Eliz.	1.62	0.46	25	11	
Clifton Pen	0.80	0.61	27	3	1.06	Torrington	1.61	0.72	25	3	3.13
Seaward Pen	1.75	1.15	24	3		Santa Cruz	3.56	1.47	3	10	4.61
Red Hills	2.83	1.73	27	5		Hounslow	1.81	0.60	26	6	
Quarantine Station	0.31	0.29	28	2	0.55	Pedro Plains	1.39	0.83	24	2	1.63
Hematine	0.55			2	1.52	Mountainside	1.44	0.50	25	7	2.32
Spanish Town	0.96	0.75	27	2	1.98	Fort Charles	0.88	0.38	24	3	
Hog Hole, St. Cath.	1.53	1.22	27	3	2.26	Black River	2.30	0.51	6	12	2.60
Old Harbour	2.17	1.10	26	5	2.40	Mt. Charles	3.77	0.88	6	13	
May Pen	1.23	0.31	24	7	2.53	Font Hill	2.10	0.85	6	6	3.45
Glen Muir	1.38	0.80	24	4		Mount Edgecombe	4.04	1.08	6	11	4.10
Cottage	0.53	0.50	27	2		Sweet River					3.65
Belle Plain	2.23	2.08	27	2		Sav.-la-Mar	2.06	0.60	21	7	2.81
Milk River	1.78	0.85	23	3	1.55	Little London	6.25	1.15	6	10	3.11
Retrieve	1.93	1.22	6	4	2.10	Retreat	4.24	1.15	16	8	3.63
Stone Hope	2.69	0.77	27	8	2.61	Negril Point L. H.	2.40	0.70	21	13	2.77

NOTES

COMPARATIVE TABLE OF RAINFALL
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	March.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern . . .	2.58	4.61	8	9
Northern . . .	1.06	2.37	4	6
West-Central . . .	3.32	4.25	9	9
Southern . . .	1.87	2.19	6	6
The Island means . .	2.21	3.35	7	8

SHOCKS OF EARTHQUAKE IN March, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
26th	4.50 A.M.	I	Boon Hall

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—MARCH.

For the fourth successive month the mean rainfall in all Divisions has been below the average.

The greatest total fall for the month was 8.19 inches at Darliston in the West-Central Division, and the heaviest fall in 24 hours was 3.70 inches at Quebec in the North-Eastern Division on the 27th and at Port Maria in the Northern Division on the 26th.

No rain fell at Adelphi, Barrett Hall, Success, Rose Hall, Cinnamon Hill, Tryall, Running Gut, Spring Estate, Rosemount and Montego Bay, all in the Northern Division.

The mean number of days on which rain fell was 7, the average being 8. The greatest number was 18 at Darliston in the West-Central Division.

The mean rainfall in each parish is given below. Compared with the 10-year average, Westmoreland with 4.17 inches was highest; Portland with 3.68 inches and St. Mary with 3.57 inches were second and third respectively, and St. James, with 0.57 inch was lowest.

Parish.	1938.	10-year Average.	Parish.	1938.	10-year Average.
Inches	Inches		Inches	Inches	
Kingston ..	1.08	0.64	St. James ..	0.57	2.52
St. Andrew ..	1.29	1.82	Hanover ..	1.66	2.78
St. Thomas ..	1.36	1.93	Westmoreland ..	4.17	3.34
Portland ..	3.68	6.36	St. Elizabeth ..	3.29	3.04
St. Mary ..	3.57	4.22	Manchester ..	2.82	2.49
St. Ann ..	1.10	3.17	Clarendon ..	1.91	1.88
Trelawny ..	1.71	3.12	St. Catherine ..	1.79	2.45

The total rainfall for the first quarter of the year is given below, compared with the 60-year average, and shews a deficit of 2.57 inches:—

	1938.	60-year Average.
Inches.	Inches.	
January ..	2.83	4.00
February ..	2.87	3.13
March ..	2.21	3.35
Total	7.91	10.48

CITY OF KINGSTON.

The total rainfall for the month of March, 1938, was 0.75 of an inch, representing 0.19 inch below the 60-year normal of 0.94 inch. The greatest fall in 24 hours was 0.57 inch on the 27th. There were five days with rain, as compared to the average of four. The upper boundary of Kingston gauged 1.03 of an inch with six days with rain.

The days upon which distant rain was observed were four, to northward.

Distant thunderstorm to northeast on the 6th.

The mean barometric pressure was 29.978 inches, shewing 0.013 of an inch above the 33-year normal of 29.965 inches. The highest barometer reading was 30.056 inches on the 9th at 7 a.m., and the lowest was 29.930 inches on the 27th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day was 76.0°; the 33-year normal being 76.5° shewing 0.5° below the normal. The highest maximum was 89.3° on the 29th, and the lowest minimum was 65.2° on the 7th, shewing an extreme monthly range of 24.1°. On the other hand, the lowest maximum was 82.2° on the 23rd, and the highest minimum was 71.8° on the 3rd. The maximum was below 90° throughout, and the minimum 70° and above four times. The greatest daily range was 23.3° on the 9th and the least range 12.2° on the 23rd.

The mean daily miles of wind registered was 186; the 25-year average being 188 or about 1% below the average. The greatest number of miles recorded in 24 hours was 268 on the 20th and the least 114 on the 9th. Highest hourly velocity was 36 miles on the 14th at 2.45 p.m. Moderate to fresh "Northerners" blew on the 1st, 7th, 8th and 24th of short duration.

The mean relative humidity was 73%, and the 33-year average 77%. The mean 7 a.m. was 80% and the mean 3 p.m., 60%. The lowest 7 a.m. was 65% and the lowest 3 p.m. was 41% on the 8th.

Overcast conditions prevailed in the forenoon on three occasions, and in the afternoon on fourteen.

The mean daily number of sunshine hours was 6.4.

EVAPORATION TABLES.

Kingston.—Attached to this Weather Report No. 742 appears a table (A) summarising the results of the daily evaporation gauged during each month of the year 1937, at the City of Kingston. The Evaporation continued to be maintained with the same exposure as that in the former years, since 1924. (*Vide* Weather Report No. 577).

By an inspection of this Table it will be found that the maximum evaporation occurred in the month of July (similar to that of 1936), when a total of 7.67 inches was gauged, representing for this month a daily mean of 0.247 inch. The minimum appears in the month of November, when a total of only 2.74 inches was gauged, with a daily mean of 0.091 inch, or equivalent to one-third that of July.

The total evaporation for the year 1937 was 60.18 inches, or 11.53 inches below the normal. The general monthly average for the twelve months gives 5.02 inches with an average daily mean of 0.165 inch, or 0.019 inch below that of the previous year. The greatest evaporation in 24 hours was 0.36 inch on 24th July. The days which gauged the greatest amount of evaporation are indicated by bolder-faced type in the respective columns of the table.

The raingauge, which is installed in the vicinity of the Evaparimeter recorded 32.15 inches for the year 1937.

At the foot of the table are shewn the corresponding monthly normals.

Negril Point.—Another table (B), shewing the evaporation at Negril Point Light House for the year 1936, which was supplied by Mr. J. S. Brownhill, is also appended. By an inspection of this table, it will be observed that the monthly maximum of 7.84 inches occurred in April with a daily mean of 0.261 inch. The minimum of 3.72 inches occurred in November, giving a daily mean of 0.124 inch, or a little less than one-half that of April.

The total evaporation for the year 1937 was 72.64 inches shewing 12.45 inches more than that of the Kingston total. The general monthly mean for the year was 6.05 inches, and the daily mean 0.199 inch. It may be stated that the rain gauge, which is installed in the vicinity of the Evaparimeter gauged 56.37 inches for the year 1937.

By referring to the monthly columns it will be seen that the maximum daily evaporation is indicated, also in bolder-faced type. The greatest evaporation in 24 hours for the year 1937 amounted to 0.35 inch on 12th April and 1st July.

CAYMAN ISLAND.

Government House, Georgetown, Grand Cayman.—The total rainfall for the month of March was 0.37 inch. Greatest fall in 24 hours was 0.25 inch on the 22nd with 2 days with rain.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
April 20th, 1938.

TABLE (A).—Kingston, 1937.

Daily Record of Evaporation, in inches—Evaporimeter 6 inches above ground and 102 feet above sea level. (148½ East Street).

Date.	Jany.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.12	0.15	0.15	0.19	0.17	0.19	0.31	0.25	0.08	0.02	0.06	0.09
2	0.14	0.13	0.20	0.20	0.16	0.27	0.32	0.02	0.17	0.13	0.05	0.17
3	0.15	0.13	0.12	0.27	0.19	0.23	0.28	0.24	0.10	0.13	0.12	0.11
4	0.10	0.10	0.11	0.28	0.20	0.24	0.25	0.26	0.15	0.16	0.10	0.14
5	0.11	0.18	0.15	0.25	0.31	0.32	0.18	0.24	0.12	0.09	0.12	0.12
6	0.11	0.09	0.14	0.20	0.35	0.28	0.26	0.18	0.12	0.14	0.06	0.07
7	0.16	0.15	0.16	0.16	0.28	0.16	0.13	0.31	0.13	0.10	0.13	0.11
8	0.14	0.16	0.15	0.30	0.22	0.16	0.25	0.09	0.19	0.11	0.12	0.07
9	0.12	0.22	0.19	0.25	0.13	0.19	0.27	0.21	0.18	0.18	0.10	0.05
10	0.20	0.13	0.22	0.24	0.19	0.22	0.28	0.05	0.15	0.17	0.12	0.14
11	0.13	0.12	0.17	0.21	0.25	0.20	0.27	0.03	0.18	0.14	0.10	0.16
12	0.13	0.16	0.18	0.10	0.10	0.23	0.12	0.18	0.19	0.16	0.10	0.06
13	0.16	0.12	0.18	0.28	0.22	0.13	0.21	0.16	0.13	0.19	0.16	0.12
14	0.17	0.14	0.11	0.18	0.22	0.20	0.25	0.26	0.19	0.09	0.14	0.11
15	0.07	0.13	0.17	0.28	0.27	0.14	0.34	0.15	0.18	0.16	0.10	0.10
16	0.23	0.12	0.13	0.21	0.31	0.19	0.32	0.18	0.21	0.17	0.16	0.09
17	0.10	0.16	0.18	0.14	0.06	0.25	0.30	0.08	0.14	0.11	0.01	0.15
18	0.23	0.15	0.18	0.12	0.20	0.30	0.24	0.15	0.30	0.13	0.13	0.10
19	0.20	0.20	0.17	0.14	0.11	0.33	0.23	0.23	0.14	0.20	0.15	0.09
20	0.24	0.26	0.03	0.19	0.03	0.32	0.16	0.13	0.16	0.13	0.09	0.14
21	0.26	0.06	0.14	0.23	0.21	0.25	0.17	0.13	0.18	0.19	0.05	0.11
22	0.25	0.20	0.14	0.33	0.07	0.25	0.25	0.13	0.21	0.16	0.07	0.13
23	0.29	0.13	0.12	0.26	0.01	0.23	0.13	0.12	0.19	0.13	0.03	0.07
24	0.19	0.17	0.19	0.27	0.08	0.25	0.36	0.15	0.22	0.02	0.05	0.16
25	0.14	0.18	0.16	0.18	0.04	0.19	0.33	0.20	0.22	0.09	0.02	0.10
26	0.21	0.12	0.17	0.16	0.14	0.02	0.24	0.19	0.19	0.13	0.11	0.13
27	0.14	0.16	0.19	0.22	0.06	0.22	0.25	0.17	0.02	0.09	0.12	0.12
28	0.07	0.18	0.20	0.19	0.20	0.28	0.27	0.30	0.16	0.10	0.02	0.10
29	0.14	...	0.17	0.18	0.10	0.22	0.31	0.19	0.10	0.10	0.04	0.12
30	0.15	...	0.23	0.16	0.19	0.26	0.15	0.12	0.10	0.07	0.11	0.12
31	0.15	...	0.21	...	0.12	...	0.24	0.11	...	0.00	...	0.13
Totals	5.00	4.20	5.01	6.37	5.19	6.72	7.67	5.21	4.80	3.79	2.74	3.48
Daily Means	0.161	0.150	0.162	0.212	0.164	0.224	0.247	0.168	0.160	0.122	0.091	0.11
10-year monthly Normals	5.06	4.90	6.64	7.75	7.91	6.93	7.89	7.56	5.12	4.05	3.55	4.37

The total evaporation for the year 1937 was 60.18 inches
10-year average 71.71 inches

TABLE (B)—Negril Point, year 1937.

Daily Record of Evaporation, in inches—Evaporimeter 4 inches above ground and 27 feet above sea level.

Date.	Jany.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.19	0.23	0.24	0.24	0.31	0.30	0.35	0.18	0.18	0.13	0.15	0.19
2	0.21	0.20	0.17	0.23	0.27	0.26	0.34	0.15	0.06	0.18	0.07	0.19
3	0.21	0.16	0.25	0.23	0.26	0.24	0.19	0.23	0.20	0.21	0.13	0.17
4	0.22	0.16	0.23	0.29	0.21	0.22	0.16	0.20	0.18	0.26	0.11	0.16
5	0.13	0.19	0.24	0.34	0.28	0.27	0.22	0.28	0.28	0.15	0.13	0.18
6	0.21	0.13	0.19	0.28	0.34	0.21	0.16	0.19	0.17	0.18	0.12	0.21
7	0.24	0.19	0.21	0.30	0.28	0.21	0.19	0.15	0.14	0.13	0.09	0.21
8	0.23	0.16	0.25	0.23	0.08	0.17	0.23	0.14	0.16	0.22	0.11	0.14
9	0.22	0.23	0.31	0.30	0.26	0.22	0.17	0.21	0.22	0.13	0.17	0.19
10	0.20	0.23	0.28	0.31	0.22	0.15	0.20	0.18	0.24	0.15	0.13	0.21
11	0.30	0.23	0.19	0.26	0.27	0.18	0.11	0.13	0.22	0.18	0.18	0.18
12	0.04	0.11	0.23	0.35	0.28	0.16	0.18	0.23	0.24	0.14	0.19	0.14
13	0.10	0.16	0.19	0.33	0.24	0.17	0.19	0.18	0.21	0.12	0.12	0.24
14	0.19	0.12	0.20	0.29	0.26	0.17	0.20	0.13	0.24	0.16	0.16	0.19
15	0.20	0.17	0.26	0.28	0.24	0.20	0.21	0.24	0.24	0.14	0.16	0.22
16	0.19	0.14	0.23	0.23	0.24	0.16	0.15	0.22	0.26	0.18	0.12	0.23
17	0.18	0.23	0.23	0.19	0.21	0.18	0.25	0.21	0.25	0.16	0.21	0.24
18	0.17	0.20	0.25	0.17	0.22	0.16	0.18	0.20	0.25	0.14	0.17	0.11
19	0.21	0.25	0.23	0.26	0.20	0.19	0.12	0.23	0.34	0.19	0.14	0.14
20	0.18	0.23	0.24	0.19	0.08	0.22	0.22	0.22	0.21	0.18	0.10	0.25
21	0.24	0.25	0.19	0.17	0.22	0.22	0.23	0.09	0.28	0.10	0.11	0.18
22	0.25	0.24	0.26	0.22	0.18	0.22	0.23	0.13	0.23	0.21	0.04	0.13
23	0.19	0.10	0.15	0.26	0.06	0.17	0.19	0.26	0.26	0.10	0.06	0.19
24	0.14	0.24	0.23	0.21	0.15	0.25	0.24	0.19	0.24	0.14	0.07	0.21
25	0.13	0.22	0.19	0.29	0.12	0.21	0.15	0.24	0.31	0.13	0.06	0.26
26	0.19	0.14	0.22	0.29	0.09	0.23	0.18	0.27	0.34	0.02	0.06	0.22
27	0.19	0.20	0.22	0.29	0.18	0.21	0.19	0.15	0.13	0.09	0.16	0.22
28	0.21	0.23	0.14	0.25	0.26	0.32	0.25	0.24	0.25	0.19	0.12	0.21
29	0.20	..	0.26	0.27	0.21	0.24	0.18	0.20	0.22	0.20	0.12	0.23
30	0.14	..	0.26	0.29	0.21	0.30	0.15	0.23	0.24	0.11	0.16	0.21
31	0.16	..	0.27	..	0.24	..	0.16	0.19	..	0.11	..	0.15
Totals	5.86	5.34	7.01	7.84	6.67	6.41	6.17	6.09	6.79	4.74	3.72	6.00
Daily Means	0.189	0.191	0.226	0.261	0.215	0.210	0.199	0.196	0.266	0.153	0.124	0.194

The total Evaporation for the year 1937 was 72.64 inches.

No. 743.



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
APRIL, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.997	29.962	77.2	81.4	83.7	73.4	10.3	86.2	24	68.1	22	18.1
Kingston	24	29.971	29.916	72.6	83.2	85.4	68.8	16.6	88.2	30	65.6	2	22.6
Negril Point Light House	33	29.978	29.939	72.7	81.3	84.8	68.3	16.5	88.8	28	64.7	29	24.1
Montego Bay†	33	..	..	70.3	85.3	88.6	66.3	22.3	91.1	12	61.1	2	30.0
Castleton Gardens	496	..	..	66.1	80.9	84.4	65.1	19.3	87.0	7*	61.0	2	26.0
Hope Gardens†	668	29.999	29.924	68.2	86.0	87.0	66.5	20.5	90.0	5*	64.0	2*	26.0
Hill Gardens, Blue Mountains	4,900	25.256	25.242	61.1	62.8	65.6	54.5	11.1	70.0	29	54.0	1*	16.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°			%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	70	79	71	72	3.70	257	NNE	11.0	NNE	10.5	3.4	1.3	0.9	0.8	3.6	0.6
Kingston	24	65	78	69	63	0.37	188	NE	4.3	SE	15.1	1.7	0.5	0.5	3.1	2.4	0.9
Negril Point Light House	33	68	83	70	70	1.11	142	NE	3.1	Var.	10.1	0.9	0.9	4.5	5.1	2.1	1.3
Montego Bay Castleton	33	69	84	..	..	0.11	..	SE	3.0	NE	6.0	..	..	..	..	..	..
Gardens ..	496	64	95	73	76	4.17	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	64	88	68	55	4.13	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens	4,900	60	90	58	88	4.34	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

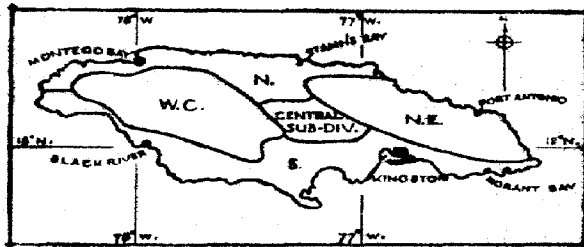
† Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shore from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



April, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	5.01	1.49	25	16	6.64
Priestman's River	3.98	1.50	25	10	5.03
Bath	7.01	2.95	18	12	5.98
Barrett's Gap	5.08	1.50	18	6	
Millbank	11.40	2.52	14	11	
Comfort Castle	14.41	2.54	15	11	
Moore Town	10.70	2.50	18	14	11.18
Port Antonio	3.29	0.90	15	12	6.55
Passley Garden	2.92	0.61	21	12	
Fellowship	4.85	1.66	15	13	9.64
Johnson River Br.	2.29	0.95	15	6	4.08
Trinity Ville	2.68	0.83	15	11	
Fruitful Vale	7.51	4.50	14	9	
Hope Bay	6.93	3.53	2	9	
Cedar Valley	3.50	1.64	24	13	4.04
Moy Hall					3.89
Paradise					
Lennox	5.37	1.53	15	8	
Greenvale	8.53	3.91	15	11	10.16
Darley	4.75	1.96	14	11	
Spring Garden	4.42	1.12	15	9	4.01
Hill Gardens	4.34	2.00	24	6	5.65
Buff Bay	4.50	1.25	14	11	6.26
Buff Bay R. Est.	4.86	2.75	15	9	
Belvedere, Portland	4.42	2.94	15	5	4.50
Windsor Castle, do.	3.00	1.05	14	8	5.51
Balcarres	6.36	2.53	15	6	
Mt. Holstein	5.13	3.00	15	8	7.03
Cedar Hurst	3.27	1.28	15	10	
Hardware Gap	3.59	1.56	12	10	6.40

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Rose Hill	3.00	1.50	24	7	7.70
Mount Cressy	4.16	0.85	24		
Hermitage	1.83	0.86	24	11	
Mount Airy	5.22	1.24	14	8	
Stony Hill Ind. Sch.	5.48	2.40	18	9	5.21
Boon Hall	5.02	1.58	24	13	
Brandon Hill	1.78	1.00	15	3	
Enfield	6.10	3.15	15	7	
Aguaita Vale	3.05	0.95	14	9	4.60
Castleton Gardens	4.17	2.80	15	6	6.64
Water Valley	3.46	2.65	14	6	4.88
Albany	2.55	1.30	14	7	4.66
Lawrence Tavern	1.22	0.35	15	6	4.74
Wey Hill	1.75	1.22	15	8	
Richmond, St. Mary	1.76	1.16	15	3	4.54
Quebec, St. Mary	0.88	0.31	20	6	3.70
Above Rocks	6.19	1.80	18	7	
Glengoffe	1.62	0.79	15	5	
Carew Castle	2.56	0.64	12	7	5.08
Hampstead, St. Mary	4.32	2.50	14	5	5.47
Windsor Castle do.	2.65	1.25	15	4	
Troja	0.93	0.93	15	1	
Pear Tree Grove	1.70	1.25	15	4	
Guy's Hill	3.00	1.82	15	4	4.32
Lucky Hill	2.10	1.85	15	3	4.92
Rio Hoe	3.46	1.85	15	7	4.51
Unity Valley	3.22	2.69	15	10	4.90
Moneague	2.50	1.30	15	10	4.66
Claremont	1.13	0.80	15	14	4.17
Averham Park	1.44	0.77	16	4	4.57
Albion	1.51	0.80	15	5	4.47
NORTHERN DIVISION (N.)					
Port Maria	0.69	0.25	11	6	4.00
Wentworth	0.75	0.35	20	4	
Oracabessa	1.94	1.20	14	7	
Huddersfield	1.40	0.50	25	4	
Ocho Rios	1.42	0.92	11	3	3.36
Rockfield	0.85	0.35	16	5	5.02
Liberty Hill	0.17	0.17	14	1	4.02
St. Ann's Bay	1.30	0.58	14	7	3.70
Richmond Estate	0.90	0.58	11	2	3.58
Runaway Bay	1.19	0.61	14	2	1.03
Knapdale	1.20	0.75	14	4	
Alexandria	1.11	1.04	20	3	2.94
Bel-Air	1.05	0.70	14	2	
Brown's Town	1.35	0.63	20	5	3.62
Wilton	1.16	0.46	14	5	
Watt Town, St. Ann	0.80	0.35	20	7	3.02
Home Castle					3.22
Arcadia	0.49	0.25	14	3	2.56
Vale Royal	0.22	0.12	14	5	2.94
Harmony Hall					2.08
Duncans	0.29	0.24	14	2	
Clark's Town	0.22	0.22	18	1	
Falmouth	0.65	0.65	15	1	2.06
The Hague					
Wales					

STATIONS.	April, 1938.					STATIONS.	April, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	0.25	0.18	18	2		Mereworth	12.85	3.97	13	16	
Barrett Hall	0.40	0.40	15	1		Mandeville	14.60	3.11	22	17	5.60
Success	0.20	0.20	15	1	1.84	Ulster Spring	2.26	0.60	22	10	6.85
Rose Hall	0.28	0.28	15	1	1.78	Greenvale	8.57	4.04	25	13	
Cinnamon Hill	0.27	0.27	15	1	1.83	Albert Town	3.75	1.35	23	6	6.62
Tryall	0.23	0.23	15	1	2.60	Craig Head	10.26	3.56	24	9	
Running Gut	0.25	0.25	15	1	1.79	Warsop	12.21	3.75	12	9	
Spring Estate	0.13	0.13	15	1	1.67	Troy	8.00	2.75	12	9	8.28
Friendship	0.15	0.15	18	1	2.72	Wallingford	12.12	2.38	12	20	8.41
Retirement					4.29	Balaclava	11.68	2.50	12	17	9.03
Rose Mount	0.36	0.28	8	3		Braes River	14.53	2.29	12	14	
Montego Bay	0.11	0.09	8	2	3.02	Wakefield	1.62	1.40	18	3	
Anchovy	1.28	0.71	18	5	3.34	Aberdeen	11.34	2.34	18	18	
Hopewell	0.40	0.20	15	2		Accompong					
Blue Hole	0.27	0.15	15	3	3.55	Maggotty	12.60	1.97	18	16	9.83
Cascade	5.57	3.00	14	10		Lacovia	4.56	0.94	15	13	
Lucea	2.70	1.57	15	5	3.53	Mulgrave	11.20	2.50	18	15	
Haughton Court					3.33	Holland	7.71	1.40	18	16	
Kendal—Hanover	8.67	2.00	15	12		Ipswich	11.76	1.70	18	19	
Cousins Cove	3.67	1.67	19	10		Ginger Hill	11.60	3.54	18	17	
Green River	4.94	1.23	18	9		Kempshot	1.79	1.16	18	7	4.90
Green Island	3.53	0.87	20	9	4.79	Mocho, St. James	7.82	3.10	14	11	
Haughton Hall	3.69	1.35	14	11		Bandon Pen					
CENTRAL SUB-DIVISION.						Catadupa	8.23	4.30	14	11	7.63
Knollis	1.47	0.31	12	8		Cambridge	5.55	2.31	14	8	7.13
Highgate (St. Cath.)	2.93	1.22	18	14		New Market	11.80	2.12	24	13	10.00
Rio Magno	0.94	0.63	15	2		Springfield	13.38	3.00	18	18	
Riversdale	0.60	0.60	19	1		Kew Park	7.03	2.45	15	13	7.99
Headworks, R.C.C.	4.29	1.52	17	8	3.46	The Bog	8.96	1.55	27	12	10.35
Bog Walk	0.54	0.50	17	2		Bethel Town Dist.	6.80	2.60	14	18	8.81
Linstead	0.62	0.23	18	6	4.46	Burnt Ground	6.49	3.06	12	14	5.75
Ewarton	1.12	0.50	12	3		Haughton Grove					7.01
Cave Valley	7.15	3.65	24	15	4.63	Darliston	11.69	2.10	27	12	10.92
Guanaboa Vale	2.85	1.17	15	5		Bluefields	0.33	2.90	27	9	8.08
Point Hill	1.78	1.25	24	3	5.52	Whithorn	10.16	2.62	18	12	7.13
Brown's Hall	1.96	1.20	24	4	4.17	Water Works Pen	8.27	1.58	18	14	7.43
Bellas Gate	1.96	0.40	20	10	2.39	Williamsfield, Wld.	6.58	1.70	18	15	
Rock River	1.88	0.86	13	4		Baulk	8.07	2.05	15	13	
Crofts Hill	1.48	0.65	22	6	3.73	Askenish	6.33	1.42	10	8	6.96
Far Enough	2.31	1.11	22	10		Grange Hill	12.02	3.04	14	10	7.01
Suttons	2.87	1.53	13	5		Mount Eagle	11.77	2.18	15	12	
Colonel's Ridge	2.75	0.94	13	8		King's Vale	1.98	0.43	19	10	5.64
Chapelton	2.01	0.87	13	7	3.73	SOUTHERN DIVISION (S.)					
Crooked River	2.22	0.75	23	8		Morant Point L. H.	3.70	0.88	21	18	3.19
James Hill	4.88	1.57	13	9		Golden Grove	2.55	0.67	18	13	
Frankfield	5.10	1.63	23	9	3.44	Pleasant Hill	3.14	0.98	18	13	2.19
WEST-CENTRAL DIVISION (W.C.)						East Prospect	3.61	0.81	15	14	4.23
Mocho, Clarendon	4.71	3.29	24	8	4.76	Morant Bay	1.82	0.58	19	10	2.84
Smithville	7.32	3.78	24	10		Aeolus Valley	2.57	0.92	18	10	
Clarendon Park						Yallahs	1.20	1.00	18	2	
Porus	7.49	2.75	13	12		Easington	0.80	0.25	7	11	2.00
Borobridge	5.90	2.52	24	8		Llandewey					
Spaldings	8.06	3.65	24	11	3.43	Mavis Bank	2.43	0.37	15	6	
Williamsfield	7.74	2.45	22	15		Bull Bay	0.97	0.50	25	2	0.93
Brokenhurst	5.93	1.68	13	13	5.31	Dallas Castle	6.35	3.11	24	12	
Shooter's Hill	8.46	2.78	22	10	4.17	Gordon Town	5.57	3.50	25	6	3.26
Wait-a-bit	5.13	2.00	16	10		Irish Town	3.37	1.00	12	6	4.06
Christiana	6.19	1.35	16	9	6.64	Hope Gardens	4.13	2.38	25	11	2.95
Holmwood	5.83	1.95	24	6		Waireka					
Clifton Hill	14.08	3.05	13	13	4.45	Iver	3.15	0.94	18	8	
Kendal, Manchester	11.19	2.72	22	11	6.06	Barbican					
						Plumb Point L. H.	0.26	0.13	26	3	1.15

STATIONS.	April, 1938.					STATIONS.	April, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	3.85	1.75	18	5	2.43	Newport, Man.	5.98	1.18	13	14	4.77
Up-Park Camp	1.62	0.76	18	7		Alligator Pond	9.76	2.90	19	11	2.97
Cavaliers	1.30	0.46	18	7		Fairfield	13.53	3.60	13	18	5.39
St. Georges College	0.50	0.23	25	6		Pepper	18.46				
Upper Kingston	0.59	0.22	12	6	0.94	Myersville	11.23	2.20	13	11	
Parade Garden	0.39	0.17	25	4		Goshen	15.30	2.70	22	16	
Kingston P.W.O.	0.37	0.16	26	4	1.17	Southfield, St. Eliz.	9.31	2.65	13	11	3.60
Constant Spring	3.49	0.84	12	8		Munro	9.29	1.34	20	18	
Halfway Tree	2.93	1.90	18	8	1.86	Windsor, St. Eliz.	10.69	2.15	26	15	
Clifton Pen	3.19	2.67	18	4	1.74	Torrington	10.14	1.90	25	12	4.86
Seaward Pen	3.70	3.10	18	3		Santa Cruz	13.96	1.92	13	17	8.81
Red Hills	4.99	1.40	24	10		Hounslow	10.20	2.50	13	12	
Quarantine Station	1.96	1.55	18	7	1.36	Pedro Plains	4.87	1.95	19	4	2.64
Hematine	1.63	0.90	18	6	2.49	Mountainside	10.34	2.37	13	14	5.20
Spanish Town	1.64	0.70	18	9	2.36	Fort Charles	4.13	0.93	14	6	
Hog Hole, St. Cath.	4.82	2.79	17	9	2.94	Black River	5.15	1.34	15	11	3.98
Old Harbour	6.02	1.78	27	12	2.81	Mt. Charles	4.18	0.76	5	15	
May Pen	4.32	2.66	19	13	3.00	Font Hill	5.50	1.15	13	11	4.45
Glen Muir	4.10	2.50	20	4		Mount Edgescombe	7.68	2.45	13	13	5.32
Cottage	5.87	1.95	17	10		Sweet River					5.63
Belle Plain	5.92	1.49	19	10		Sav.-la-Mar	4.57	0.91	14	11	4.79
Milk River	3.78	1.80	19	11	12.22	Little London	8.65	1.50	15	11	4.88
Retrieve	6.54	1.19	19	9	12.59	Retreat	4.02	0.73	13	10	4.91
Stone Hope	6.62	2.38	13	14	74.13	Negril Point L. H.	1.11	0.38	21	6	2.92

NOTES

COMPARATIVE TABLE OF RAINFALL
AND RAINY DAYS.

DIVISIONAL AND ISLAND RAINFALL.	April.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern . . .	3.77	5.80	8	10
Northern . . .	1.23	3.17	5	6
West-Central . . .	8.00	6.82	12	11
Southern . . .	4.88	3.28	10	7
The Island means . .	4.47	4.77	9	9

SHOCKS OF EARTHQUAKE IN APRIL, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
8th	5.45 A.M	1	Boon Hall
14th	4.20 "	1	Fellowship
"	"	1	Rose Hill
"	"	1	Boon Hall
"	"	1	Kingston

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—APRIL.

The mean rainfall for the Island was, for the fourth successive month, below the average. The West Central and Southern Divisions were well above the average, but the North Eastern and Northern Divisions were very deficient.

The heaviest precipitation appears to have occurred about the middle of the month, particularly on the 14th, 15th and 18th.

The greatest total fall was 18.46 inches at Pepper in the Southern Division, and the heaviest fall in 24 hours was 4.30 inches at Catadupa in the West Central Division on the 14th.

The mean number of days on which rainfall was 9, which is the average for the month. The greatest number was 20 at Wallingford in the West Central Division.

The mean rainfall in each parish is given below, compared with the 10-year average. St. Elizabeth with 10.30 inches was highest; Manchester with 9.15 inches second; and Westmoreland with 7.38 inches third; Kingston with 0.42 inch was lowest.

Parish.	1938	10-year Average.	Parish	1938. °	10-year Average.
	Inches	Inches		Inches	Inches
Kingston	0.42	1.08	St. James	1.71	5.21
St. Andrew	3.46	4.45	Hanover °	4.02	6.13
St. Thomas	3.07	4.67	Westmoreland	7.38	7.85
Portland	5.91	10.45	St. Elizabeth	10.30	6.97
St. Mary	2.50	6.63	Manchester °	9.15	5.07
St. Ann	1.73	5.62	Clarendon	4.19	4.48
Trelawny	3.17	5.18	St. Catherine	2.13	4.93

CITY OF KINGSTON.

The total rainfall for the month of April, 1938 was 0.37 of an inch. The 30-year normal being 1.17 of an inch, representing about 32% of the average. There were four days with rain, as against the 49-year average of 5.3. The greatest fall in 24 hours was 0.16 inch on the 26th. Upper boundary of Kingston gauged 0.59 inch, with 6 days with rain.

The days upon which distant rain was observed are as follows:—

To northward on seven; to northeastward on seven; to eastward once and to westward on two.

Distant thunderstorms to northward on the 15th.

The mean Barometric Pressure was 29.951 inches, shewing 0.010 inch above the 33-year normal of 29.941 inches. The highest barometer reading was 30.013 inches on the 11th at 3 p.m., and the lowest was 29.898 inches on the 24th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 77.0°, or 1.2° below the normal. The highest maximum was 88.2° on the 30th, and the lowest minimum was 65.6° on the 2nd, giving an extreme monthly range of 22.6°; on the other hand the lowest maximum was 81.2° on the 1st, and the highest minimum was 73.7° on the 8th. The maximum was below 90° throughout, and the minimum was below 70° on ten occasions. The greatest daily range was 21.8° on the 30th, and the least range was 11.5° on the 8th.

The mean daily miles of wind was 188, which corresponds to the average for 25 years. The greatest number of miles recorded in 24 hours was 389 on the 7th and the least was 114 on the 28th. The highest hourly velocity was 30 m.p.h. on the 1st at 4.30 p.m. South-easterly wind appeared early on one day and continued until after 7 p.m. on fourteen occasions; it continued throughout the 24 hours on two occasions.

The mean relative humidity was 75%, the 33-year normal being 78%. The mean 7 a.m. was 78% and the mean 3 p.m. 63%. The lowest 7 a.m. was 65% on the 7th and the lowest 3 p.m. was 53% on the 28th.

Overcast conditions prevailed in the forenoon on six occasions and in the afternoon on 17.

Total Evaporation for April, 1938 was 5.50 inches; the 10-year normal being 7.75 ins.

The mean daily number of sunshine hours was 5.8.

Earthquake.—There was a moderate shock on the 14th at 4.20 a.m. felt at Kingston, lasting about 4 or 5 seconds; direction—SE to NW. Extreme horizontal movement 0.40 of an inch.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.

	Total Rainfall (ins.)	Greatest Fall in 24 hours. (ins.)	Date	No. of days on which rain fell.
January, 1938 (omitted)	2.57	1.00	1st	6
April 1938	9.75	5.00	14th	5

CORRIGENDA.

W.R. 736—Oct., 1937. Page 1—Kingston, Rainfall for 3.59 inches—read 5.39 ins.

W.R. 739—Dec., 1937. Page 9—June, Temperature 7 a.m., for 74.8 read 78.4°.

Means, Temperature 7 a.m., for 73.8°—read 74.0°.

J. F. BRENNAN,
GOVT. METEOROLOGIST,

Kingston,
May 20th, 1938.



JAMAICA
WEATHER REPORT.
FOR THE MONTH OF
MAY, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32", gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers the factor 3 being assumed correct for the four-cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) clouds cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature. (F)				
		7 a.m.	3 p.m.*	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°		°		°
Morant Point Light House	8	29.981	29.947	80.6	84.0	86.3	77.5	8.8	88.3	31	73.4	26	14.9
Kingston	24	29.950	29.901	77.5	85.0	87.4	72.3	15.1	90.2	2	69.1	1	21.1
Negril Point Light House	33	29.957	29.927	76.9	82.9	86.6	71.5	15.1	90.4	2	69.0	21	21.4
Montego Bay†	33	..	..	74.4	86.2	90.3	69.1	21.2	92.8	14	66.5	8	26.3
Castleton Gardens	496	..	..	68.9	81.4	85.0	67.9	17.1	91.0	13*	64.0	1	27.0
Hope Gardens†	668	29.980	29.898	72.3	88.0	88.8	68.9	19.9	92.0	12*	65.0	1	27.0
Hill Gardens, Blue Mountains	4,900	25.265	25.253	63.8	65.7	69.1	56.1	13.0	72.0	31	55.0	1*	17.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.	3 p.m.		7 a.m.			3 p.m.			
	ft.	°	%	°	%	ins.	Mis.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	74	79	75	73	1.91	249	NNE	11.0	ENE	10.0	1.8	2.9	1.3	1.5	3.4	1.1
Kingston	24	68	73	72	66	0.60	207	NNE	4.4	SE	16.2	0.7	0.9	1.4	2.7	2.9	0.9
Negril Point Light House	33	72	84	74	74	6.57	120	ENE	2.5	Var.	7.6	1.0	0.4	3.5	2.3	5.6	1.0
Montego Bay	33	..	..	..	..	2.93	..	SE	2.0	NE	5.0	..	..	..	..	..	..
Castleton Gardens	496	67	95	75	82	21.97	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67	84	69	55	1.58	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns. ...	4,900	61	90	63	88	2.78	..	..	..	..	..	..	..	..	..	..	..

* And on other days. † Hope Gardens—observations made at 9 a.m. and 3 p.m.

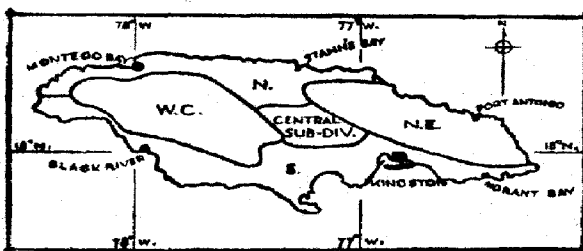
† Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



		May, 1938.				
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	
		Amount.	Date.			
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.	
Manchioneal	4.17	2.68	22	12	12.66	
Priestman's River	4.58	2.00	18	8	10.55	
Bath	3.67	0.93	23	11	12.33	
Barrett's Gap	3.98	1.03	23	13		
Millbank	7.31	2.50	22	10		
Comfort Castle	8.32	2.40	21	9		
Moore Town	8.77	2.00	3	13	16.68	
Port Antonio	7.79	2.25	22	11	13.73	
Passley Garden	5.67	2.43	22	14		
Fellowship	6.25	1.30	16	9	16.19	
Johnson River Br.	1.96	0.61	25	6	9.56	
Trinity Ville	1.66	0.40	25	7		
Fruitful Vale	6.49	1.60	23	11		
Hope Bay	6.00	3.00	24	11		
Cedar Valley	2.27	0.55	7	8	9.10	
Moy Hall					9.25	
Paradise						
Lennox	7.20	3.30	23	8		
Greenvale	8.82	2.47	3	15	9.27	
Darley	7.95	1.65	22	12		
Spring Garden					6.05	
Hill Gardens	2.78	0.53	26	12	9.77	
Buff Bay	5.40	2.95	22	5	7.97	
Buff Bay R. Est.	4.56	1.40	23	11		
Belvedere, Portland	4.20	1.22	22	10	6.08	
Windsor Castle, do.	4.35	1.54	2	6	5.86	
Balcarras	12.11	3.40	20	10		
Mt. Holstein	15.37	4.00	20	12	10.07	
Cedar Hurst	4.98	1.20	24	16		
Hardware Gap	6.21	1.50	3	15	11.24	

STATIONS.	May, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Rose Hill ..	9.58	1.75	3	10	12.52
Mount Cressy ..	11.94	2.03	25		..
Hermitage ..	10.86	3.43	20	18	..
Mount Airy ..	11.05	2.33	20	19	..
Stony Hill Ind. Sch. ..	7.45	2.75	20	17	9.29
Boon Hall ..	10.34	3.56	20	18	..
Brandon Hill ..	9.71	1.43	7	13	..
Enfield ..	5.38	2.00	20	9	..
Agualta Vale ..	5.04	1.72	22	6	5.76
Castleton Gardens ..	21.97	5.90	7	17	11.65
Water Valley ..	3.98	1.86	22	5	7.06
Albany ..	4.42	1.96	22	10	6.92
Lawrence Tavern ..	12.06	2.85	26	13	9.18
Wey Hill ..	8.92	2.07	7	16	..
Richmond, St. Mary ..	4.02	1.00	3	9	7.54
Quebec, St. Mary ..	2.96	0.90	23	9	6.45
Above Rocks ..	10.16	3.15	25	7	..
Glengoffe ..	8.46	1.30	22	13	..
Carew Castle ..	15.38	2.45	27	16	9.78
Hampstead, St. Mary ..	4.17	1.50	4	8	7.33
Windsor Castle do. ..	7.27	1.65	7	15	..
Troja ..	7.84	2.32	7	10	..
Pear Tree Grove ..	5.31	1.90	7	5	..
Guy's Hill ..	4.04	0.96	4	11	7.46
Lucky Hill ..	6.44	3.03	4	8	8.48
Rio Hoe ..	5.25	1.40	3	13	8.12
Unity Valley ..	7.01	2.64	26	16	9.79
Moneague ..	4.50	0.90	26	13	8.76
Claremont ..	3.70	1.60	4	7	7.08
Averham Park ..	4.74	1.45	3	11	7.26
Albion ..	6.49	2.50	5	11	8.30
NORTHERN DIVISION (N).					
Port Maria ..	2.79	1.40	22	9	6.31
Wentworth ..	2.50	1.18	22	8	..
Oracabessa ..	6.63	3.35	7	9	..
Huddersfield ..	3.37	2.00	22	4	..
Ocho Rios ..	1.74	0.91	22	3	5.22
Rockfield ..	4.60	1.97	4	10	5.94
Liberty Hill ..	0.96	0.74	5	4	4.72
St. Ann's Bay ..	2.39	0.86	4	6	5.30
Richmond Estate ..	0.92	0.47	4	6	6.14
Runaway Bay ..	1.83	1.35	4	3	2.23
Knapdale ..	4.29	1.54	4	8	..
Alexandria ..	5.57	0.92	26	11	7.29
Bel-Air ..	4.15	3.35	5	4	..
Brown's Town ..	2.30	0.85	23	10	8.61
Wilton ..	3.80	2.12	4	5	..
Watt Town, St. Ann ..	3.15	0.83	24	10	8.24
Home Castle ..	2.50	1.30	4	2	5.60
Arcadia ..	1.57	1.05	23	4	4.89
Vale Royal ..	2.36	1.56	23	7	5.82
Harmony Hall ..	2.72	1.50	23	3	4.49
Duncans ..	2.31	1.11	23	4	..
Clark's Town ..	0.80	0.52	24	4	..
Falmouth ..	0.28	0.20	29	3	4.48
The Hague ..	..	..	..	..	..
Wales ..	..	..	..	..	..

STATIONS.	May, 1938.					STATIONS.	May, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	1.52	0.74	8	7	..	Mereworth	2.24	0.56	24	9	..
Barrett Hall	0.35	0.20	22	2	..	Mandeville	2.84	0.93	2	9	9.93
Success	0.92	0.86	7	2	4.25	Ulster Spring	7.63	1.80	6	14	11.90
Rose Hall	1.25	0.80	7	2	4.24	Greenvale	5.95	2.12	4	8	..
Cinnamon Hill	1.65	1.00	7	2	4.78	Albert Town	7.33	1.46	5	12	10.58
Tryall	0.68	0.33	8	3	6.05	Craig Head	7.97	2.97	19	6	..
Running Gut	1.51	0.88	7	2	4.74	Warsop	16.85	2.90	26	14	..
Spring Estate	0.63	0.38	8	3	4.28	Troy	14.17	2.15	20	15	14.60
Friendship	1.29	0.40	28	9	7.85	Wallingford	6.69	1.50	5	13	11.80
Retirement	2.09	0.66	28	9	8.50	Balaclava	6.26	1.29	5	11	12.13
Rose Mount	0.79	0.49	21	5	..	Braes River	8.49	1.92	3	11	..
Montego Bay	2.93	1.34	21	6	7.12	Wakefield	6.46	2.25	7	13	..
Anchovy	4.23	1.15	6	13	8.00	Aberdeen	8.78	1.33	25	17	..
Hopewell	5.37	2.98	26	8	..	Accompong	15.04	2.70	26	14	..
Blue Hole	3.07	1.64	29	4	12.10	Maggotty	7.76	1.50	24	11	13.21
Cascade	11.23	1.83	27	16	..	Lacovia	11.36	3.69	20	15	..
Lucca	4.71	2.07	27	9	8.53	Mulgrave	15.10	2.40	26	16	..
Haughton Court	..	..	..	..	8.89	Holland	..	..	..	..	..
Kendal—Hanover	9.30	2.83	24	21	..	Ipswich	10.64	2.11	26	18	..
Cousins Cove	3.90	2.21	29	15	..	Ginger Hill	9.37	1.34	26	19	..
Green River	5.14	1.15	24	16	..	Kempshot	6.62	1.74	5	14	10.19
Green Island	4.56	0.91	20	16	9.84	Mocho, St. James	10.89	2.46	14	13	..
Haughton Hall	4.40	0.80	24	19	..	Bandon Pen	..	..	..	..	..
CENTRAL SUB-DIVISION.						Catadupa	12.57	1.88	4	20	15.76
Knollis	9.70	2.25	27	14	..	Cambridge	10.10	1.16	23	22	13.30
Highgate (St. Cath.)	4.02	1.26	19	17	..	Springfield	9.37	1.80	26	15	..
Rio Magno	5.42	1.50	6	8	..	New Market	10.36	1.62	24	13	12.50
Riversdale	5.53	1.88	26	8	..	Kew Park	12.34	2.15	5	17	12.97
Headworks, R.C.C.	2.77	1.44	19	6	7.31	The Bog	..	..	..	..	14.15
Bog Walk	7.82	1.90	27	13	..	Bethel Town Dist.	14.98	2.64	4	26	16.95
Linstead	2.71	0.62	28	15	9.69	Burnt Ground	6.26	1.54	4	16	13.74
Ewarton	4.43	0.85	21	9	..	Haughton Grove	..	..	..	..	13.98
Cave Valley	4.42	1.38	5	6	9.10	Darliston	23.23	3.57	26	22	16.30
Guanaboa Vale	1.93	0.70	3	4	..	Bluefields	12.30	2.85	2	22	11.86
Point Hill	6.20	2.06	3	7	11.11	Whithorn	11.51	3.00	15	14	13.29
Brown's Hall	2.90	1.30	3	6	8.38	Water Works Pen	9.43	1.80	5	19	11.86
Bellas Gate	2.05	0.76	3	10	5.57	Williamsfield, Wld.	13.83	2.40	24	19	..
Rock River	2.45	1.20	25	6	..	Baulk	13.01	2.12	12	22	..
Crofts Hill	1.49	1.09	19	10	7.16	Askenish	12.24	2.90	29	12	12.65
Far Enough	6.39	1.29	27	12	..	Grange Hill	12.23	1.90	19	17	13.44
Suttons	4.45	1.87	20	7	..	Mount Eagle	15.20	2.60	4	18	..
Colonel's Ridge	5.50	1.91	25	11	..	King's Vale	2.55	0.51	7	15	11.38
Chapelton	5.94	3.45	20	10	8.55	SOUTHERN DIVISION (S.)					
Crooked River	3.57	0.75	19	13	..	Morant Point L. H.	1.91	0.65	25	10	8.68
James Hill	5.97	1.47	4	13	..	Golden Grove	2.65	0.74	22	10	..
Frankfield	3.73	1.20	14	8	7.52	Pleasant Hill	2.25	0.71	22	14	7.69
WEST-CENTRAL DIVISION (W.C.)						East Prospect	2.46	1.05	25	8	8.88
Mocho, Clarendon	4.53	2.45	24	4	9.71	Morant Bay	1.98	1.39	25	4	7.31
Smithville	6.84	2.70	24	9	..	Aeolus Valley	1.89	0.68	23	7	..
Clarendon Park	..	..	..	..	..	Yallahs	1.50	1.00	23	3	..
Porus	4.31	1.65	2	5	..	Easington	0.65	0.40	23	3	6.26
Borobridge	3.19	1.15	4	8	..	Llandewey	..	..	..	..	..
Spaldings	2.24	1.03	4	7	7.74	Mavis Bank	1.56	0.66	25	5	..
Williamsfield	3.07	0.74	3	9	..	Bull Bay	0.12	0.12	20	1	3.87
Brokenhurst	2.67	0.89	3	8	9.59	Dallas Castle	1.46	0.95	19	6	..
Shooter's Hill	3.79	0.69	20	10	7.34	Gordon Town	2.42	0.56	3	12	7.13
Wait-a-bit	7.21	1.60	24	8	..	Irish Town	7.62	1.60	3	12	6.56
Christiana	3.25	1.53	24	9	10.69	Hope Gardens	1.41	0.93	19	8	6.23
Holmwood	2.21	1.15	5	4	..	Waireka	..	..	..	..	..
Clifton Hill	..	..	..	..	6.97	Iver	3.79	1.01	27	14	..
Kendal, Manchester	3.09	0.96	3	9	9.83	Barbican	..	..	..	..	..
						Plumb Point L. H.	2.15	1.90	3	3	4.57

STATIONS.	May, 1938.					STATIONS.	May, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	0.90	0.50	3	3	5.84	Newport, Man.	1.21	0.43	29	5	8.02
Up-Park Camp	0.41	0.14	19	6	..	Alligator Pond	4.58	1.65	25	8	5.15
Cavaliers	0.57	0.22	24	6	..	Fairfield	4.79	2.35	4	11	7.55
St. Georges College	..	..	..	..	..	Pepper	..	..	..	..	..
Upper Kingston	0.57	0.29	3	7	2.44	Myersville	1.66	0.50	21	5	..
Parade Garden	..	..	..	..	..	Goshen	5.70	1.55	4	9	..
Kingston P.W.O.	0.60	0.30	25	5	4.01	Southfield, St. Eliz.	2.15	1.34	25	5	5.88
Constant Spring	5.68	1.61	20	12	..	Munro	2.36	1.07	20	9	..
Halfway Tree	0.47	0.33	14	3	4.63	Windsor, St. Eliz.	2.53	1.16	24	9	..
Clifton Pen	1.19	0.83	24	7	3.94	Torrington	1.35	0.80	24	3	6.26
Seaward Pen	0.05	0.05	18	1	..	Santa Cruz	12.45	3.30	20	13	11.02
Red Hills	2.59	1.36	3	9	..	Hounslow	1.22	0.40	19	4	..
Quarantine Station	0.65	0.35	4	4	3.33	Pedro Plains	0.48	0.48	20	1	3.48
Hematine	2.38	1.79	3	3	6.19	Mountainside	2.25	1.13	2	6	3.73
Spanish Town	3.46	2.53	3	4	5.82	Fort Charles	2.11	0.64	3	5	..
Hog Hole, St. Cath.	1.98	1.54	3	4	6.65	Black River	2.84	0.95	19	7	6.57
Old Harbour	0.42	0.20	3	3	5.85	Mt. Charles	5.90	2.03	24	12	..
May Pen	1.49	0.46	24	8	6.44	Font Hill	3.03	1.20	24	5	7.40
Glen Muir	0.90	0.50	3	3	..	Mount Edgecombe	5.36	1.20	19	14	8.37
Cottage	0.77	0.21	6	5	..	Sweet River	..	..	..	..	9.88
Belle Plain	3.93	1.03	19	6	..	Sav.-la-Mar	5.90	1.00	22	13	8.60
Milk River	1.19	0.90	3	3	5.60	Little London	15.69	3.66	24	18	9.89
Retrieve	0.81	0.36	29	3	4.77	Retreat	11.83	2.65	24	18	9.03
Stone Hope	2.43	0.83	3	6	8.51	Negril Point L. H.	6.57	1.61	24	18	6.25

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	May.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern	6.46	9.76	11	13
Northern	2.63	6.90	9	10
West-Central	8.52	12.06	13	15
Southern	3.13	6.35	7	10
The Island means	5.19	8.77	10	12

SHOCKS OF EARTHQUAKE IN MAY, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc
None reported.			

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—MAY.

For the sixth month in succession the mean rainfall was below the average. All divisions were deficient particularly the Northern and Southern.

The greatest total fall for the month was 23.23 inches at Darliston in the West-Central Division, and the heaviest fall in 24 hours was 5.90 inches at Castleton Gardens in the North-Eastern Division on the 7th.

The mean number of days on which rain fell was 10. The average for the month being 12. The greatest number was 26 at Bethel Town in the West-Central Division.

The mean rainfall in each parish is given below, compared with the 10-year average. Westmoreland with 12.24 inches was highest, Portland with 7.04 inches next, and St. Elizabeth with 6.52 inches third—Kingston with 1.11 inch was lowest.

Parish.	1938	10-year Average.	Parish.	1938	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	1.11	1.90	St. James	3.54	8.79
St. Andrew	5.09	5.73	Hanover	6.06	11.00
St. Thomas	2.22	5.30	Westmoreland	12.24	10.77
Portland	7.04	9.96	St. Elizabeth	6.52	6.86
St. Mary	5.99	7.74	Manchester	3.45	5.91
St. Ann	3.72	6.90	Clarendon	3.59	5.67
Trelawny	6.13	7.45	St. Catherine	4.80	6.31

CITY OF KINGSTON.

The total rainfall during the month of May, 1938, was 0.60 of an inch; the 60-year normal being 4.01 inches, or 15% of normal. The greatest fall in 24 hours was 0.30 inch on the 25th. There were five days with perceptible rain; the 49-year average being 7. The upper boundary of Kingston gauged 0.57 of an inch with seven days of rain.

Distant rain was observed to northward on thirteen days, to north-eastward on seven, to eastward and southward on one each, to southeast on two, to south-westward on one, and to northwestward on three days. Southeasterly rainsquall on the 23rd.

The mean barometric pressure was 29.931 inches, representing 0.021 of an inch above the 33-year normal of 29.910 inches. The highest barometer reading was 29.992 inches on the 16th at 3 p.m., and the lowest was 29.884 inches on the 6th at 7 a.m., corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 80.0°, the 33-year normal being 79.7°, shewing 0.3° above the normal. The highest maximum was 90.2° on the 2nd, and the lowest minimum was 69.1° on the 1st, giving an extreme monthly range of 21.1°; on the other hand the lowest maximum was 85.2° on the 5th and the highest minimum was 76.3° on the 30th. The maximum was above 90° once, and the minimum below 70° twice. The greatest daily range was 19.9° on the 1st and the least was 10.6° on the 22nd.

The mean daily miles of wind, registered, was 207; the 25-year average being 209. The greatest number of miles in 24 hours was 343 on the 30th and the least was 120 on the 22nd. The greatest hourly velocity was 25 m.p.h. on the 23rd at 11 a.m. South-easterly wind appeared early on two occasions and continued after 7 p.m. on seventeen occasions, and throughout the night, once.

The mean relative humidity was 74%; the 33-year normal being 79%. The mean 7 a.m. was 73% and the mean 3 p.m. 66%. Lowest 7 a.m. 63% on the 30th, and lowest 3 p.m. 53% on the 1st.

Overcast conditions prevailed in the early forenoon on seven days and in the afternoon on nineteen days.

Total Evaporation for May was 6.51 inches, the 10-year normal being 7.91 inches.

Mean daily number of sunshine hours 6.6.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for May, 1938, was 6.78 inches. Greatest fall in 24 hours 3.16 inches on the 19th with 5 rainy days.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
June 20th, 1938.

CORRIGENDUM.

Weather Report 743. April 1938.

Page 5—City of Kingston, last paragraph. For 0.40 inch, read 0.04 inch.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JUNE, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	30.020	29.993	81.5	85.0	87.5	78.6	8.9	88.8	30	75.3	8*	13.5
Kingston	24	29.977	29.933	77.9	86.1	88.8	73.6	15.2	92.6	5	71.9	15	20.7
Negril Point Light House	33	29.984	29.961	79.1	84.2	87.5	73.0	14.5	91.0	28	70.8	21	20.2
Montego Bay†	33	..	..	75.6	87.9	90.9	70.7	20.2	94.5	5	67.0	5	27.5
Castleton Gardens	496	..	..	69.6	84.5	89.2	68.6	20.6	93.0	26*	66.0	26*	27.0
Hope Gardens†	668	..	..	74.5	..	91.8	71.2	20.6	95.0	26*	69.0	15	26.0
Hill Gardens, Blue Mountains	4,900	25.276	25.262	64.6	68.9	72.4	58.6	13.8	74.0	15*	58.0	..	16.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.		3 p.m.		7 a.m.			3 p.m.		
	ft.	°	%	°	%	ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.	
Morant Point Light House	8	76	82	76	75	1.37	302	ESE	17.0	SE	15.0	0.7	4.1	4.6	0.9	4.8	2.8	
Kingston	24	69	75	72	65	2.29	249	NNE	4.2	SE	20.6	0.3	0.1	3.4	1.7	1.6	3.7	
Negril Point Light House	33	71	77	74	72	2.36	111	NE	2.8	Var.	8.0	0.3	1.0	6.2	1.6	6.8	0.5	
Montego Bay	33	70	83	76	69	2.29	..	SE	3.0	NE	7.0	..	..	..	..	..	..
Castleton Gardens	496	69	95	77	79	7.24	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	83	77	63	2.15	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns. ...	4,900	62	89	63	79	2.78	..	..	..	..	..	..	..	..	..	..	..

* And on other days. † Hope Gardens—observations made at 9 a.m. and 3 p.m.

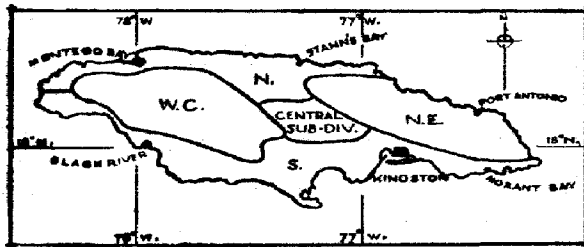
† Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



June, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	5.62	1.51	9	15	6.76
Priestman's River	7.06	2.00	9	11	4.99
Bath	5.82	2.00	9	11	10.91
Barrett's Gap	6.52	2.50	9	13	
Millbank	15.04	3.40	15	16	
Comfort Castle	12.82	3.23	13	25	
Moore Town	17.64	2.49	9	21	18.56
Port Antonio	14.30	4.30	14	16	14.32
Passley Garden	11.64	4.45	14	17	
Fellowship	17.18	2.30	15	17	17.26
Johnson River Br.	6.03	1.73	9	9	11.52
Trinity Ville	5.37	1.94	14	11	
Fruitful Vale	7.49	2.10	14	8	
Hope Bay					
Cedar Valley	8.48	5.40	14	10	11.22
Moy Hall					11.64
Paradise	4.07	3.16	14	6	
Lennox	4.75	1.54	9	8	
Greenvale	1.53	0.56	14	6	3.66
Darley	13.80	4.50	14	11	
Spring Garden	4.03	1.66	18	10	3.92
Hill Gardens	2.78	2.45	14	3	6.73
Buff Bay	4.50	2.05	18	9	6.60
Buff Bay R. Est.	3.35	1.02	20	7	
Belvedere, Portland	3.82	1.70	19	5	1.98
Windsor Castle, do.	3.11	1.33	18	9	5.00
Balcarras	2.00	1.30	1	2	
Mt. Holstein					5.54
Cedar Hurst	2.19	1.25	14	6	
Hardware Gap	3.57	2.08	14	11	6.58

June, 1938.

STATIONS.

NORTH-EASTERN DIVISION, contd.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Rose Hill	1.57	0.70	19	5	6.18
Mount Cressy	3.64	1.84	1		
Hermitage	1.95	0.83	14	10	
Mount Airy	2.73	1.43	1	6	
Stony Hill Ind. Sch.	1.42	0.42	9	6	6.53
Boon Hall	1.70	0.72	14	10	
Brandon Hill	3.66	1.05	1	5	
Enfield	1.65	1.00	19	5	
Agualta Vale	1.50	0.60	14	6	2.93
Castleton Gardens	7.24	3.50	1	9	8.82
Water Valley	0.57	0.37	15	3	3.74
Albany	0.69	0.31	14	5	3.01
Lawrence Tavern	3.40	2.37	9	5	6.27
Wey Hill	1.77	0.67	30	8	
Richmond, St. Mary	1.22	0.78	2	4	4.69
Quebec, St. Mary	0.50	0.20	23	3	4.48
Above Rocks	0.45	0.45	14	1	
Glengoffe	3.65	1.94	14	7	
Carew Castle	4.59	0.95	25	9	8.51
Hampstead, St. Mary	0.65	0.25	15	4	3.57
Windsor Castle do.	1.51	0.65	15	4	
Troja	1.34	1.31	15	2	
Pear Tree Grove	3.11	1.03	17	5	
Guy's Hill	1.58	0.48	15	5	5.74
Lucky Hill	2.51	1.50	15	5	3.66
Rio Hoe	2.11	1.01	9	5	7.47
Unity Valley	2.10	0.78	9	11	7.72
Moneague	2.06	0.93	9	6	7.39
Claremont	0.83	0.28	16	5	5.04
Averham Park	0.71	0.19	13	7	4.94
Albion	0.81	0.32	9	5	6.16

NORTHERN DIVISION (N.).

Port Maria	0.78	0.35	9	7	4.86
Wentworth					
Oracabessa	0.98	0.30	9	6	
Huddersfield	2.32	1.05	22	3	
Ocho Rios	0.71	0.37	9	3	3.16
Rockfield	1.15	0.55	18	5	3.10
Liberty Hill	0.37	0.19	16	4	3.58
St. Ann's Bay	1.31	0.62	2	7	3.67
Richmond Estate	0.63	0.32	16	3	4.10
Runaway Bay	0.74	0.40	16	2	1.29
Knapdale	0.87	0.54	25	4	
Alexandria	1.06	0.63	14	4	3.18
Bel-Air	0.65	0.25	16	3	
Brown's Town	0.36	0.18	30	3	3.55
Wilton	0.05	0.05	9	1	
Watt Town, St. Ann	2.15	0.28	23	7	3.86
Home Castle	0.45	0.45	24	1	3.60
Arcadia	0.56	0.30	24	4	3.70
Vale Royal	0.80	0.43	24	4	4.09
Harmony Hall	0.63	0.30	30	3	2.56
Duncans	0.57	0.32	1	3	
Clark's Town	2.63	1.32	30	7	
Falmouth	2.05	1.85	1	3	2.40
The Hague					
Wales					

June, 1938.						June, 1938.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	3.25	0.65	23	8	..	Mereworth	3.92	1.30	11	9	..
Barrett Hall	1.11	0.65	2	3	..	Mandeville	4.87	1.72	15	13	2.82
Success	0.36	0.21	2	2	2.19	Ulster Spring	3.81	1.40	1	6	6.31
Rose Hall	0.56	0.35	2	2	2.70	Greenvale	5.00	0.86	12	14	..
Cinnamon Hill	0.42	0.27	2	2	2.78	Albert Town	3.11	0.81	1	7	5.35
Tryall	1.35	0.70	9	3	5.08	Craig Head	1.77	1.00	29	2	..
Running Gut	0.92	0.60	15	3	2.86	Warsop	2.29	1.35	30	5	..
Spring Estate	1.45	1.15	9	3	2.63	Troy	5.75	1.65	9	7	8.13
Friendship	4.45	1.45	15	8	6.04	Wallingford	4.67	1.62	14	8	5.05
Retirement	3.05	0.90	14	7	6.82	Balaclava	5.12	1.98	15	8	4.52
Rose Mount	2.65	1.66	15	5	..	Braes River	1.42	0.53	14	8	..
Montego Bay	2.29	1.11	15	5	6.17	Wakefield	3.70	1.04	9	10	..
Anchovy	4.71	1.70	12	14	6.78	Aberdeen	6.96	1.80	14	13	..
Hopewell	5.99	2.15	24	13	..	Accompong	..	..	..	..	..
Blue Hole	5.91	3.07	10	11	11.30	Maggotty	5.90	1.46	13	11	6.53
Cascade	8.13	1.02	2	20	..	Lacovia	4.65	2.65	8	6	..
Lucea	3.97	0.88	2	10	7.90	Mulgrave	9.87	2.28	11	18	..
Haughton Court	..	..	..	..	8.17	Holland	..	..	..	..	..
Kendal—Hanover	21.68	3.40	9	24	..	Ipswich	10.43	2.04	30	15	..
Cousins Cove	6.85	2.24	2	18	..	Ginger Hill	8.90	2.42	11	17	..
Green River	10.25	1.25	13	20	..	Kempshot	6.06	1.69	12	14	8.57
Green Island	11.05	2.27	2	19	11.93	Mochó, St. James	17.08	2.50	9	18	..
Haughton Hall	8.83	1.30	2	23	..	Bandon Pen	..	..	..	..	..
CENTRAL SUB-DIVISION.						Catadupa					
Knollis	5.26	2.17	11	9	..	Cambridge	13.21	2.17	1	19	9.97
Highgate (St. Cath.)	5.03	1.45	11	9	..	Springfield	4.60	1.00	11	11	..
Rio Magno	1.28	0.75	9	5	..	New Market	..	..	..	..	7.99
Riversdale	4.02	1.15	25	5	..	Kew Park	7.36	1.90	2	15	9.21
Headworks, R.C.C.	0.90	0.58	14	2	4.56	The Bog	6.12	1.80	8	12	8.37
Bog Walk	4.74	1.60	11	10	..	Bethel Town Dist.	10.94	1.94	1	21	11.15
Linstead	3.34	1.04	9	8	7.24	Burnt Ground	8.39	1.45	25	19	10.07
Ewarton	3.35	1.22	9	8	..	Haughton Grove	..	..	..	..	8.80
Cave Valley	2.00	0.85	16	5	7.11	Darlston	12.67	2.72	19	19	10.53
Guanaboa Vale	2.18	0.95	11	5	..	Bluefields	10.81	2.50	25	20	9.42
Point Hill	4.25	0.86	19	10	8.23	Whithorn	9.02	1.55	11	17	10.16
Brown's Hall	4.92	1.08	8	10	9.18	Water Works Pen	7.70	1.30	9	19	8.87
Bellas Gate	2.88	0.57	8	8	1.82	Williamsfield, Wld.	12.87	2.90	10	21	..
Rook River	1.60	0.65	12	6	..	Baulk	6.32	1.03	8	17	..
Crofts Hill	3.23	0.95	23	8	3.52	Askenish	14.72	2.06	19	18	15.10
Far Enough	3.33	1.72	23	10	..	Grange Hill	9.40	1.82	9	17	11.09
Suttons	2.23	0.67	14	6	..	Mount Eagle	8.42	2.00	9	16	..
Colonel's Ridge	3.73	1.32	29	10	..	King's Vale	3.96	0.51	15	20	11.84
Chapelton	2.87	0.75	13	8	5.98	SOUTHERN DIVISION (S.)					
Crooked River	3.17	0.43	8	12	..	Morant Point L. H.	1.37	0.33	14	12	5.59
James Hill	8.03	2.06	23	14	..	Golden Grove	2.78	0.59	9	13	..
Frankfield	8.25	2.10	12	11	4.37	Pleasant Hill	2.10	0.83	9	15	3.79
WEST-CENTRAL DIVISION (W.C.)						East Prospect	3.70	0.85	18	13	6.38
Mochó, Clarendon	5.66	2.15	12	6	6.25	Morant Bay	2.93	0.70	18	10	7.59
Smithville	7.48	2.10	19	12	..	Aeolus Valley	4.07	1.86	14	13	..
Clarendon Park	..	..	..	..	..	Yallahs	5.19	1.56	14	7	..
Porus	3.92	1.60	11	7	..	Easington	4.31	1.50	14	9	7.36
Boro-bridge	3.40	1.15	14	8	..	Llandewey	3.75	2.28	14	4	..
Spaldings	6.36	1.72	12	10	4.10	Mavis Bank	4.21	0.15	15	4	..
Williamsfield	7.65	1.54	15	13	..	Bull Bay	2.42	1.63	14	4	3.90
Brokenhurst	3.12	1.80	14	7	9.92	Dallas Castle	1.72	1.35	14	5	..
Shooter's Hill	5.49	1.26	10	9	4.86	Gordon Town	2.20	1.70	14	2	4.40
Wait-a-bit	3.70	1.75	14	5	..	Irish Town	1.60	1.10	14	3	3.93
Christiana	6.25	1.00	29	13	5.96	Hope Gardens	2.15	1.52	14	7	4.66
Holmwood	7.26	1.30	25	12	..	Waireka	..	..	..	..	..
Clifton Hill	5.95	2.30	15	7	4.06	Iver	1.97	0.77	14	5	..
Kendal, Manchester	4.93	1.32	15	10	7.05	Barbican	..	..	..	..	..
						Plumb Point L. H.	4.20	4.20	14	1	3.85

STATIONS.	June, 1938.					STATIONS.	June, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.	SOUTHERN DIVISION, <i>contd.</i>	Ins.	Ins.			Ins.
King's House Gar. ..	2.62	1.20	8	4	3.82	Newport, Man. ..	3.60	2.20	14	5	6.99
Up-Park Camp ..	1.50	1.19	14	4	..	Alligator Pond ..	0.42	0.17	14	3	3.65
Cavaliers ..	1.61	1.24	15	5	..	Fairfield ..	3.39	1.84	14	12	5.32
St. Georges College ..	..	..	..	..	..	Pepper ..	..	..	..	..	..
Upper Kingston ..	1.84	1.58	14	5	0.99	Myersville ..	0.49	0.21	29	3	..
Parade Garden ..	2.05	1.86	15	3	..	Goshen ..	2.96	2.18	7	2	..
Kingston P.W.O. ..	2.29	2.16	14	4	3.53	Southfield, St. Eliz. ..	1.56	0.74	8	6	2.72
Constant Spring ..	1.88	0.70	8	12	..	Munro ..	0.72	0.44	8	4	..
Halfway Tree ..	2.92	1.50	13	4	..	Windsor, St. Eliz. ..	2.72	1.68	8	8	..
Clifton Pen ..	2.18	1.73	14	4	3.43	Torrington ..	0.84	0.54	8	2	3.05
Seaward Pen ..	2.70	1.35	15	3	..	Santa Cruz ..	2.14	0.78	8	5	5.15
Red Hills ..	2.28	1.20	14	8	..	Hounslow ..	1.45	0.60	8	4	..
Quarantine Station ..	1.34	1.30	15	3	2.19	Pedro Plains ..	0.83	0.83	8	1	2.10
Hematine ..	0.71	0.71	14	1	2.41	Mountainside ..	5.21	2.60	8	5	2.04
Spanish Town ..	1.04	0.98	14	2	4.08	Fort Charles ..	1.02	0.54	28	3	..
Hog Hole, St. Cath. ..	0.54	0.28	14	2	4.43	Black River ..	4.01	2.00	8	10	3.58
Old Harbour ..	0.95	0.95	14	1	5.30	Mt. Charles ..	2.68	0.60	23	12	..
May Pen ..	1.92	1.30	14	4	5.11	Fent Hill ..	7.45	1.80	7	11	4.74
Glen Muir ..	2.00	0.95	14	3	..	Mount Edgecombe ..	7.69	2.56	23	..	6.11
Cottage ..	0.98	0.81	14	2	..	Sweet River ..	..	..	..	..	7.18
Belle Plain ..	3.90	1.36	11	5	..	Sav-la-Mar ..	3.06	1.20	9	6	6.61
Milk River ..	1.90	1.23	14	2	4.88	Little London ..	5.97	1.50	10	11	8.52
Retrieve ..	1.97	1.41	14	3	2.74	Retreat ..	5.78	1.76	12	12	7.39
Stone Hope ..	1.72	1.13	15	2	7.44	Negril Point L. H. ..	2.36	0.89	10	14	5.59

NOTES.

COMPARATIVE TABLE OF RAINFALL AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	June.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern ..	4.16	7.51	9	11
Northern ..	2.64	5.10	7	9
West-Central ..	7.09	8.57	12	13
Southern ..	2.71	4.93	6	8
The Island means ..	4.15	6.53	9	10

SHOCKS OF EARTHQUAKE IN June, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc
9th	6.45 a.m.	1	Port Antonio
"	"	1	Boon Hall
"	"	1	Kingston

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—JUNE.

The mean rainfall for the month was much below the average in all Divisions.

The greatest total fall for the month was 21.68 Inches at Kendal, Hanover, in the Northern Division, and the heaviest fall in 24 hours was 5.40 Inches at Cedar Valley in the North-Eastern Division on the 14th.

The mean number of days on which rain fell was 9, the average for the month being 10. The greatest number was 25 at Comfort Castle in the North-Eastern Division.

The mean rainfall in each parish is given below, compared with the 10-year average. Hanover, with 9.14 Inches, was highest. Westmoreland, with 7.91 Inches was second; and Portland, with 7.80 Inches third. St. Ann, with 1.11 Inch, was lowest.

Parish.	1938 Inches.	10-year Average Inches.	Parish.	1938 Inches.	10-year Average Inches.
Kingston	2.60	2.42	St. James	6.30	6.85
St. Andrew	2.34	4.21	Hanover	9.14	10.83
St. Thomas	4.46	8.64	Westmoreland	7.91	8.58
Portland	7.80	8.19	St. Elizabeth	4.16	4.46
St. Mary	1.71	4.85	Manchester	4.19	6.62
St. Ann	1.11	4.67	Clarendon	3.89	5.31
Trelawny	2.47	5.41	St. Catherine	2.77	5.71

The total rainfall for the first half-year is given below, compared with the 60-year average, and shews a deficiency of 8.83 inches. It will be observed that every month has been below normal and, although there has not been a severe drought, the continuous deficiency over so long a period is affecting crops and has resulted in shortage of Public Water Supplies in several parishes.

	1938 Inches.	60-year Average Inches.
January	2.83	4.00
February	2.87	3.13
March	2.21	3.35
April	4.47	4.77
May	5.19	8.77
June	4.15	6.53
	21.72	30.55

CITY OF KINGSTON.

The total rainfall for the month of June 1938, was only 2.29 inches: the 60-year normal being 3.53 inches, or a deficiency of 1.24 of an inch. There were four days with appreciable rainfall as against the 49-year average of six. The greatest fall in 24 hours was 2.16 ins. on the 14th.

For the half-year ended June 30th, the aggregate rainfall was 4.26 inches as compared to the 60-year average of 11.12 inches, shewing less than one-half of the average.

The upper boundary of Kingston gauged 1.84 of an inch with five days of appreciable rain.

The days upon which distant rain was observed are as follows—To Northward five days, to North-east, South and Northwest one day each. Distant lightning to Northeast on three evenings. Thunderstorm to North on three days, to Northeast, South and Northwest one each. Southeasterly squalls on 2nd, 14th, and 16th.

The mean barometric pressure was 29.962 inches, shewing 0.030 of an inch above the 33-year average of 29.932 inches. The highest barometer reading was 30.014 inches on the 19th at 3 p.m., and the lowest was 29.886 inches on the 2nd at 3 p.m. corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 81.1° the 33-year average being 80.9° shewing 0.5° above the average. The highest maximum was 92.6° on the 5th and the lowest minimum was 71.9° on the 15th, giving an extreme monthly range of 20.7°. On the other hand the lowest maximum was 86.5° on the 16th and the highest minimum was 75.5° on the 30th. The maximum was about 90° six times and the minimum was above 70° throughout. Greatest range of daily temperature was 19.9° on the 5th and the least range 12.7° on the 30th.

The mean daily miles of wind registered was 249, the 25-year average being 239. The greatest number of miles recorded in 24 hours was 325 on the 26th, and the least was 132 on the 29th. The greatest hourly velocity was 36 m.p.h. on the 9th about 2.30 p.m. Southeasterly wind appeared early on 2 occasions and continued after 7 p.m. on 22 days and throughout the night once. Southeasterly squalls on 2nd, 14th and 16th.

The mean relative humidity was 73% and the 33-year normal 78%. This discrepancy was no doubt owing to deficiency of rainfall. The mean 7 a.m. was 75% and the mean 3 p.m. 65%. The lowest 7 a.m. was 62% on 27th and lowest 3 p.m. 52% on the 10th.

Overcast conditions prevailed in the forenoon on 7 occasions and in the afternoon on 18.

The total evaporation for June was 7.01 inches; the 10-year normal being 6.93 inches.

The mean daily number of sunshine hours was 6.8.

Dense haze spread over a wide area from the 21st to the end of month at Kingston; the Palisadoes to Southward was completely obscured, likewise the mountains around. Similar conditions prevailed to the extreme west of Island as well as to Northward.

A slight earthquake was felt on the 9th at about 6.45 a.m.

A lunar Halo was seen on the 8th.

CAYMAN ISLAND.

Government House, George Town, Grand Cayman.

Total Rainfall for the month of June 1938, was 10.71 inches. Greatest fall in 24 hours 2.00 inches on the 15th with 11 days of rain.

Kingston, July 20th, 1938.

J. F. BRENNAN,
Government Meteorologist.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

JULY, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	30.014	29.995	82.2	85.6	88.1	78.5	9.6	90.2	16	72.3	24	17.9
Kingston	24	29.968	29.931	77.5	86.6	88.8	73.5	15.3	92.3	12	71.1	3	21.2
Negril Point Light House	33	29.978	29.961	78.5	83.7	87.8	72.0	15.8	91.6	16	68.7	4	22.9
Montego Bay†	33	..	..	74.7	87.0	91.2	70.0	21.2	94.5	12	65.0	1	29.5
Castleton Gardens	496	..	..	69.4	82.4	87.0	..	..	92.0	12	61.0	5	31.0
Hope Gardens†	668	29.995	29.936	73.2	..	90.7	70.8	19.9	94.0	12*	68.0	4*	26.0
Hill Gardens, Blue Mountains	4,900	25.284	25.269	64.8	69.8	72.9	59.4	13.5	76.0	2	59.0	5*	17.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.					7 a.m.		3 p.m.		7 a.m.		3 p.m.			
		ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	76	80	76	72	2.94	285	ESE	19.0	SE	18.0	1.0	3.1	3.6	0.3	4.0	3.8	
Kingston	24	69	75	72	65	0.62	218	NNE	5.1	SE	17.2	0.8	0.7	2.4	3.1	0.8	2.3	
Negril Point Light House	33	71	79	75	73	4.01	115	ENE	3.2	Var.	7.5	0.3	0.0	6.2	2.0	5.9	1.5	
Montego Bay	33	70	85	76	70	7.08	..	SSE	2.0	NE	4.0	..	..	..	..	..	..
Castleton Gardens	496	67	95	77	85	8.47	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	68	85	..	..	2.31	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	62	90	62	75	3.24	..	..	..	..	..	..	..	..	..	..	..

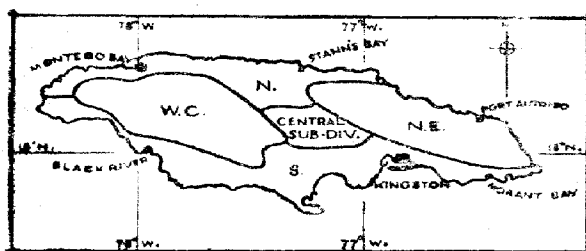
* And on other days. † Hope Gardens—observations made at 9 a.m. and 3 p.m.
 † Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shore from Helland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



July, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	11.84	2.50	16	16	5.49
Priestman's River	9.71	3.60	17	16	5.64
Bath	9.52	3.50	17	15	7.93
Barrett's Gap	17.64	3.67	16	19	
Millbank	13.18	3.43	16	20	
Comfort Castle	14.33	2.49	17	21	16.27
Moore Town	11.61	2.50	16	20	10.25
Port Antonio	12.41	1.90	17	17	
Passley Garden	9.41	1.40	14	21	13.80
Fellowship	5.60	2.93	16	6	6.63
Johnson River Br.	6.86	1.36	17	12	
Trinity Ville	3.05	0.60	18	8	
Fruitful Vale	7.47	1.54	16	14	
Hope Bay	6.44	1.57	17	12	4.19
Cedar Valley	2.07	0.63	22	8	5.16
Moy Hall	6.52	1.24	16	9	
Paradise	2.91	1.11	16	9	3.57
Lennox	16.07	3.67	27	16	
Greenvale	4.37	0.74	17	8	3.95
Darley	3.24	1.15	25	7	3.36
Spring Garden	4.84	2.04	16	10	6.15
Hill Gardens	2.71	0.61	16	11	
Buff Bay	3.76	1.20	25	6	2.37
Buff Bay R. Est.	4.86	2.30	16	13	3.89
Belvedere, Portland	3.55	1.70	25	6	
Windsor Castle, do.	3.83	0.91	20	11	4.72
Balcarras	4.67	1.11	20	18	
Mt. Holstein	4.39	0.86	17	15	3.90
Cedar Hurst					
Hardware Gap					

July, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Rose Hill	5.99	1.50	3	11	5.40
Mount Cressy	2.71	0.50	16		
Hermitage	6.27	1.89	23	14	
Mount Airy	5.21	0.88	18	12	
Stony Hill Ind. Sch.	2.94	0.84	10	10	4.87
Boon Hall	10.89	3.17	18	19	
Brandon Hill	3.38	1.00	17	7	
Enfield	2.91	1.02	29	7	
Agualta Vale	2.06	0.68	25	7	3.15
Castleton Gardens	8.47	2.10	22	11	5.86
Water Valley	2.66	0.80	17	7	3.13
Albany	3.47	1.55	16	9	3.63
Lawrence Tavern	3.47	0.65	18	12	5.09
Wey Hill	3.69	1.12	21	13	
Richmond, St. Mary	3.06	0.87	2	7	3.26
Quebec, St. Mary	4.80	1.02	16	14	3.42
Above Rocks	5.70	1.85	10	6	
Glengoffe	3.63	0.65	10	12	
Carew Castle	4.13	0.80	28	9	6.24
Hampstead, St. Mary	3.57	1.00	16	8	2.87
Windsor Castle do.	4.13	1.30	2	12	
Troja	4.01	2.15	16	5	
Pear Tree Grove	2.72	1.30	17	5	
Guy's Hill	3.79	1.18	2	12	3.83
Lucky Hill	3.92	2.41	2	7	2.85
Rio Hoe	2.25	0.59	28	8	4.09
Unity Valley	3.31	1.08	29	13	5.49
Moneague	2.22	0.68	29	13	4.51
Claremont	4.97	2.55	16	12	3.23
Averham Park	4.95	4.00	17	8	2.91
Albion	6.05	1.77	17	13	3.98
NORTHERN DIVISION (N.)					
Port Maria	4.32	0.94	16	15	3.89
Wentworth	3.43	1.20	17	9	
Oracabessa	5.85	2.00	16	11	
Huddersfield	5.05	2.00	16	5	
Ocho Rios	3.39	1.30	3	5	2.10
Rockfield	2.67	1.07	16	9	2.91
Liberty Hill	0.84	0.26	28	6	2.08
St. Ann's Bay	2.69	1.00	17	9	2.83
Richmond Estate	1.49	0.51	17	8	2.20
Runaway Bay	1.03	0.73	17	2	1.06
Knapdale	2.22	1.05	17	10	
Alexandria	2.28	0.53	5	7	2.86
Bel-Air	1.95	0.80	16	6	
Brown's Town	3.89	2.28	17	10	2.39
Wilton	2.28	0.75	16	8	
Watt Town, St. Ann	2.62	0.65	5	8	3.00
Home Castle	3.35	2.35	17	2	2.18
Arcadia	1.90	0.72	17	7	2.16
Vale Royal	2.18	0.78	17	11	2.64
Harmony Hall	1.41	0.80	3	4	1.45
Duncans	2.27	1.16	5	7	
Clark's Town	3.19	1.38	5	4	
Falmouth	2.52	1.15	17	5	1.46
The Hague					
Wales					

July, 1938.						July, 1938.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.	Ins.	Ins.			Ins.	WEST-CENTRAL DIVISION, contd.	Ins.	Ins.			Ins.
Adelphi ..	7.44	2.90	17	10	..	Mereworth ..	4.04	1.00	16	15	..
Barrett Hall ..	1.64	0.80	29	4	..	Mandeville ..	4.21	0.84	18	16	5.32
Success ..	1.35	0.65	29	3	1.30	Ulster Spring ..	4.90	0.92	17	13	5.35
Rose Hall ..	1.03	0.65	27	3	1.13	Greenvale ..	2.62	0.47	17	8	..
Cinnamon Hill ..	1.50	0.85	27	3	1.18	Albert Town ..	6.51	1.28	6	14	4.92
Tryall ..	0.77	0.35	27	3	3.54	Craig Head ..	3.04	1.04	14	5	..
Running Gut ..	0.91	0.53	27	3	1.24	Warsop ..	5.47	1.50	10	9	..
Spring Estate ..	0.48	0.25	29	2	1.44	Troy ..	7.03	3.00	21	9	6.94
Friendship ..	9.91	2.95	18	13	2.88	Wallingford ..	5.24	1.50	13	10	5.18
Retirement ..	8.06	3.45	17	12	4.01	Balaclava ..	6.07	1.05	13	9	4.69
Rose Mount ..	6.10	1.51	30	10	..	Braes River ..	4.48	1.82	4	11	..
Montego Bay ..	7.08	1.54	29	12	3.21	Wakefield ..	5.25	1.43	17	11	..
Anchovy ..	10.68	3.73	15	14	4.49	Aberdeen ..	10.69	2.21	13	13	..
Hopewell ..	12.45	4.25	18	18	..	Accompong ..	..	..	..	..	..
Blue Hole ..	7.34	1.79	17	15	5.85	Maggotty ..	7.91	2.34	23	11	8.35
Cascade ..	9.64	1.00	15	17	..	Lacovia ..	4.17	0.49	1	13	..
Lucea ..	6.36	1.31	17	14	4.93	Mulgrave ..	8.89	2.18	8	15	..
Haughton Court ..	..	..	..	..	4.63	Holland ..	..	..	..	..	..
Kendal—Hanover ..	18.22	3.85	5	25	..	Ipswich ..	9.38	2.04	8	16	..
Cousins Cove ..	12.05	2.50	5	20	..	Ginger Hill ..	9.30	2.53	6	16	..
Green River ..	17.12	4.89	5	21	..	Kempshot ..	9.39	2.51	17	21	5.68
Green Island ..	15.01	5.62	5	20	8.59	Mocho, St. James ..	..	..	..	..	..
Haughton Hall ..	11.16	1.58	5	22	..	Bandon Pen ..	..	..	..	..	..
CENTRAL SUB-DIVISION.						Catadupa ..	7.85	1.43	5	14	9.36
Knollis ..	7.90	1.20	17	16	..	Cambridge ..	9.26	1.92	5	15	9.59
Highgate (St. Cath.) ..	12.37	4.92	23	17	..	New Market ..	9.47	1.80	5	16	8.36
Rio Magno ..	8.94	2.03	5	13	..	Springfield ..	8.86	1.68	23	15	..
Riversdale ..	8.43	1.78	17	6	..	Kew Park ..	10.75	2.94	5	17	9.85
Headworks, R.C.C. ..	3.30	0.95	1	9	2.99	The Bog ..	9.92	1.79	21	18	9.11
Bog Walk ..	7.74	1.60	23	11	..	Bethel Town Dist. ..	11.37	2.60	5	18	14.74
Linstead ..	6.37	1.19	29	18	5.88	Burnt Ground ..	10.32	3.84	5	15	8.81
Ewarton ..	4.12	1.00	29	10	..	Haughton Grove ..	..	..	..	..	8.47
Cave Valley ..	6.90	1.50	17	10	4.54	Darliston ..	10.66	2.51	5	19	11.42
Guanaboa Vale ..	2.79	1.12	30	8	..	Bluefields ..	13.37	4.15	23	23	9.32
Point Hill ..	6.82	1.43	19	12	6.17	Whithorn ..	8.61	1.22	19	15	10.12
Brown's Hall ..	4.20	1.30	19	7	5.20	Water Works Pen ..	12.14	2.24	5	20	9.40
Bellas Gate ..	3.82	1.86	19	10	1.30	Williamsfield, Wld. ..	17.39	3.50	5	23	..
Rock River ..	2.07	0.60	29	8	..	Baulk ..	7.19	2.25	5	14	..
Crofts Hill ..	5.09	1.90	10	11	2.68	Askenish ..	14.67	2.68	5	19	10.38
Far Enough ..	4.92	1.72	4	12	..	Grange Hill ..	14.62	5.21	5	17	11.11
Suttons ..	..	..	..	..	..	Mount Eagle ..	17.10	4.90	5	20	..
Colonel's Ridge ..	4.34	1.62	4	11	..	King's Vale ..	3.97	0.60	21	18	9.82
Chapelton ..	2.96	0.87	8	8	3.12	SOUTHERN DIVISION (S.)					
Crooked River ..	3.86	1.06	4	11	..	Morant Point L. H. ..	2.94	0.78	25	15	3.17
James Hill ..	8.13	1.37	17	16	..	Golden Grove ..	5.25	1.04	16	21	3.19
Frankfield ..	5.98	0.95	14	12	4.50	Pleasant Hill ..	7.89	1.79	16	17	4.30
WEST-CENTRAL DIVISION (W.C.)						East Prospect ..	6.31	2.00	16	19	4.95
Mocho, Clarendon ..	5.05	1.40	29	6	3.46	Morant Bay ..	5.82	1.49	16	17	..
Smithville ..	4.74	0.87	14	16	..	Aeolus Valley ..	..	..	..	..	..
Clarendon Park ..	..	..	..	..	..	Yallahs ..	..	..	..	..	..
Porus ..	6.44	1.81	19	9	..	Easington ..	4.74	1.03	16	12	4.87
Borobridge ..	7.14	1.98	29	12	..	Llandewey ..	3.60	2.24	17	4	..
Spaldings ..	3.15	0.64	4	9	3.79	Mavis Bank ..	2.30	0.58	25	5	..
Williamsfield ..	6.54	1.37	13	17	..	Bull Bay ..	0.79	0.40	17	4	1.68
Brokenhurst ..	3.26	0.79	17	13	4.73	Dallas Castle ..	1.85	0.53	31	8	..
Shooter's Hill ..	6.33	2.73	8	11	4.88	Gordon Town ..	1.72	0.60	17	5	2.33
Wait-a-bit ..	4.43	1.60	20	13	..	Irish Town ..	1.73	0.35	17	8	1.73
Christiana ..	2.71	0.87	17	12	4.09	Hope Gardens ..	2.31	0.63	20	10	2.50
Holmwood ..	1.91	0.80	17	5	..	Waireka ..	..	..	..	..	..
Clifton Hill ..	2.35	1.00	18	6	4.97	Iver ..	2.31	0.97	4	10	..
Kendal, Manchester ..	4.89	1.75	8	14	5.13	Barbican ..	..	..	..	..	..
						Plumb Point L. H. ..	1.15	0.60	17	4	1.75

STATIONS.	July, 1938.					STATIONS.	July, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar. . .	2.97	1.23	20	8	2.37	Newport, Man. . .	3.86	1.20	25	7	3.28
Up-Park Camp . . .	1.62	0.38	19	12		Alligator Pond . . .	1.42	0.47	10	8	2.01
Cavaliers . . .	1.49	0.34	4	8		Fairfield . . .	3.61	1.25	16	15	2.69
St. Georges College . .	0.92	0.31	17	9		Pepper . . .					
Upper Kingston . . .	0.92	0.29	17	10	1.58	Myersville . . .	3.38	1.21	20	8	
Parade Garden . . .						Goshen . . .	2.55	0.75	4	10	
Kingston P.W.O. . .	0.62	0.28	17	6	1.53	Southfield, St. Eliz. . .	1.90	0.90	4	9	1.88
Constant Spring . . .	2.04	0.65	10	11		Munro . . .	4.16	1.35	13	9	
Halfway Tree . . .	2.16	0.68	28	9	1.53	Windsor, St. Eliz. . .	4.15	1.80	13	14	
Clifton Pen . . .	1.13	0.29	17	8	1.33	Torrington . . .	3.91	1.40	13	5	2.29
Seaward Pen . . .						Santa Cruz . . .	4.32	0.95	4	13	5.25
Red Hills . . .	4.22	1.00	20	14		Hounslow . . .	3.85	1.35	13	8	
Quarantine Station . .	0.41	0.31	18	4	0.92	Pedro Plains . . .	0.97	0.45	10	4	1.52
Hematine . . .	1.57	0.68	10	4	1.14	Mountainside . . .	3.47	1.12	10	12	2.81
Spanish Town . . .	2.21	1.15	10	9	1.90	Fort Charles . . .	2.99	1.23	13	5	
Hog Hole, St. Cath. . .	1.84	0.46	17	6	2.19	Black River . . .	3.98	0.53	24	13	4.52
Old Harbour . . .	0.63	0.23	17	5	1.99	Mt. Charles . . .	3.72	1.16	10	14	
May Pen . . .	2.21	0.51	13	8	2.76	Font Hill . . .	4.50	0.85	23	9	5.45
Glen Muir . . .	0.40	0.20	28	2		Mount Edgecombe . .	8.07	2.25	21	15	6.82
Cottage . . .	1.80	0.94	17	4		Sweet River . . .					7.46
Belle Plain . . .	0.82	0.50	17	5		Sav-la-Mar . . .	8.63	2.54	21	14	6.10
Milk River . . .	1.86	0.95	25	4	1.62	Little London . . .	10.84	2.58	5	12	6.20
Retrieve . . .	3.21	0.93	28	6	1.53	Retreat . . .	7.80	2.20	5	10	7.43
Stone Hope . . .	3.09	0.85	25	8	3.50	Negril Point L. H. . .	4.01	1.12	18	14	5.83

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	July.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern ..	5.21	5.25	12	10
Northern ..	4.20	3.19	10	7
West-Central ..	7.79	7.56	14	13
Southern ..	3.36	2.99	9	7
The Island means ..	5.14	4.75	11	9

SHOCKS OF EARTHQUAKE IN JULY, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None	Reported.

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—JULY.

The mean rainfall for the Island was, for the first time this year, above the average. The North-Eastern Division was slightly below its average, but all the other Divisions exceeded theirs.

The heaviest precipitation occurred in the latter half of the month, from the 16th to the 29th.

The greatest total fall was 18.22 inches at Kendal, Hanover, and the heaviest fall in 24 hours was 5.62 inches at Green Island, in the Northern Division, on the 5th.

The mean number of days on which rain fell was 11, the average for the month being 9. The greatest number was 25 at Kendal, Hanover.

The mean rainfall in each parish is given below, Hanover, with 11.52 inches was highest; Westmoreland, with 10.78 inches was second; and Portland, with 7.86 inches was third; Kingston, with 0.90 inch, was lowest.

Parish.	1938.	10-year Average.	Parish.	1938.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	0.90	3.02	St. James ..	5.22	4.80
St. Andrew ..	3.31	4.74	Hanover ..	11.52	7.84
St. Thomas ..	6.22	6.90	Westmoreland	10.78	8.93
Portland ..	7.86	9.21	St. Elizabeth ..	5.34	4.80
St. Mary ..	4.09	3.95	Manchester ..	3.74	5.70
St. Ann ..	3.07	3.35	Clarendon ..	3.80	5.07
Trelawny ..	3.92	3.86	St. Catherine	4.64	5.03

CITY OF KINGSTON.

The total rainfall for the month of July, 1938, was 0.62 of an inch. The 60-year normal being 1.53 inch, or less than one-half of the normal. There were six days with appreciable rain, as against the 49-year average of five. The greatest fall in 24 hours was 0.28 inch on the 17th. The upper boundary of Kingston gauged 0.92 of an inch with 10 days of rain.

The days upon which distant rain was observed are as follows:—

To northward on eleven days, to north-eastward on six, to eastward on three, to southeast one, to south on two and to northwest on seven.

Distant lightning in the evening to eastward three occasions, and to northward once. Distant thunderstorm to north seven times, to northeast four, to east and south once, and to northwest four. Local thunderstorm on 20th and 29th.

The mean barometric pressure was 29.961 inches, the 33-year normal being 29.960 inches. The highest barometer reading was 30.029 inches on 9th at 3 p.m., and the lowest was 29.887 inches on the 25th at 7 a.m. corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 81.1° or 0.3° below the 33-year normal of 81.4°. The highest maximum was 92.3° on the 12th, and the lowest minimum was 71.1° on the 3rd, giving an extreme monthly range of 21.2°; on the other hand the lowest maximum was 83.4° on the 17th and the highest minimum was 77.1° on the same day. The maximum was 90° or above on ten occasions, and the minimum was above 70° throughout. The greatest daily range was 18.5° on the 26th, and the least was 6.3° on the 17th.

The mean daily miles of wind was 218 and the 25-year average 227. The greatest number of miles recorded was 339 on the 12th, and the least was 110 on the 16th. The highest hourly velocity was 33 m.p.h. on the 14th at 2.45 p.m. South-easterly wind appeared early on three days and continued after 7 p.m. on fifteen occasions. South-easterly rain-squalls on 29th and 30th.

The mean relative humidity was 74%, the 33-year normal being 76%. The mean 7 a.m. was 75% and the mean 3 p.m. 65%. The lowest 7 a.m. was 63% on 12th, and Lowest 3 p.m. 46% also on 12th. Overcast conditions prevailed ten times in the forenoon and eighteen times in the afternoon.

The total evaporation for July, 1938, was 7.22 inches, the 10-year normal being 7.87 inches.

The mean daily number of sunshine hours was 7.0.

There was a continuation of the haze, seen on previous month, to the 12th July.

A brilliant solar halo was observed from about 11 a.m. to 12.40 p.m. on the 7th. The central area was fairly dark the red sector inner ring somewhat faint. The circle was complete. The sun's centre, at culmination, was only 1° north of Zenith.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of July was 7.19 inches. Greatest fall in 24 hours was 2.00 inches on the 30th with 13 days of rain.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
August, 1938.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

AUGUST, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)			
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.
		ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.939	29.916	82.5	85.3	87.7	78.8	8.9	90.0	6	72.4	7
Kingston	24	29.912	29.885	77.1	86.4	89.0	74.1	14.9	93.1	14	71.7	1*
Negril Point Light House	33	29.925	29.901	77.2	84.3	88.6	73.3	15.3	92.2	6	71.1	14
Montego Bay†	33	..	..	76.0	88.0	90.2	71.5	18.7	93.0	30	69.0	14*
Castleton Gardens	496	..	..	72.1	82.0	85.5	..	..	89.0	22	..	..
Hope Gardens†	668	29.946	29.902	74.5	83.3	88.4	71.1	17.3	92.0	3	69.0	1
Hill Gardens, Blue Mountains	4,900	25.242	25.234	63.5	67.6	71.2	58.0	13.2	77.0	6	56.0	26

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.		Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.	3 p.m.			7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.
		°	%			Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	76	82	76	75	4.47	271	NNE	13.0	NE	11.0	2.9	2.0	1.6	1.3
Kingston	24	71	81	74	68	6.23	190	NE	5.9	SE	13.5	2.1	0.0	1.7	4.0
Negril Point Light House	33	72	84	74	73	8.85	134	NE	3.9	Var.	8.0	1.1	0.1	5.2	1.4
Montego Bay	33	71	85	76	69	4.89	..	SE	3.0	NE	7.0	..	..	..	..
Castleton Gardens	496	71	95	78	88	16.90	..	..	..	..	..	..	..	..	..
Hope Gardens	668	71	85	74	75	8.12	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns. ...	4,900	60	88	63	83	12.96	..	..	..	..	..	..	..	..	..

* And on other days. † Hope Gardens—observations made at 9 a.m. and 3 p.m.

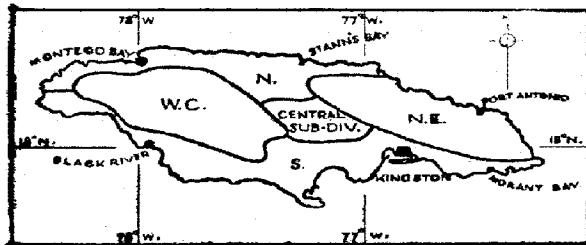
‡ Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



August, 1938.

STATIONS.	August, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	7.48	1.98	11	16	7.09
Priestman's River	..	..	..	..	8.00
Bath	10.76	2.45	11	12	9.98
Barrett's Gap	11.01	2.65	11	12	..
Millbank	25.72	4.85	11	19	..
Comfort Castle	25.48	4.72	11	22	..
Moore Town	18.16	2.05	10	25	15.77
Port Antonio	10.44	2.65	11	18	11.62
Passley Garden	7.82	2.15	11	18	..
Fellowship	11.65	2.72	11	27	..
Johnson River Br.	10.43	2.60	11	8	14.25
Trinity Ville	9.92	2.92	11	9	10.01
Fruitful Vale	22.03	7.50	7	14	..
Hope Bay	6.09	2.90	11	12	..
Cedar Valley	16.09	8.03	11	14	9.23
Moy Hall	..	..	..	..	10.44
Paradise	6.79	1.71	7	12	..
Lennox	8.03	2.52	11	13	..
Greenvale	20.95	7.00	7	19	5.80
Darley	19.11	4.11	12	19	..
Spring Garden	8.05	3.60	11	14	6.52
Hill Gardens	12.96	6.87	11	10	7.80
Buff Bay	11.25	2.30	14	16	5.87
Buff Bay R. Est.	14.21	3.17	8	15	..
Belvedere, Portland	12.28	3.40	11	12	5.35
Windsor Castle, do.	12.66	2.87	14	17	5.49
Balcarras	20.03	4.80	7	17	..
Mt. Holstein	13.36	4.00	12	11	7.02
Cedar Hurst	12.45	5.42	11	15	..
Hardware Gap	12.73	5.95	11	15	7.22

August, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.					
Rose Hill	10.70	6.18	11	11	9.92
Mount Cressy	17.32	6.73	11	..	..
Hermitage	8.45	3.13	11	18	..
Mount Airy	12.87	5.80	11	14	..
Stony Hill Ind. Sch.	10.02	4.55	11	15	8.86
Boon Hall	12.53	5.35	11	18	..
Brandon Hill	12.15	5.86	11	13	..
Enfield	14.16	3.42	11	10	..
Agualta Vale	9.85	2.55	23	14	4.28
Castleton Gardens	16.90	8.55	11	19	9.83
Water Valley	8.20	2.85	23	14	4.31
Albany	9.27	2.80	23	16	4.01
Lawrence Tavern	7.72	3.82	11	12	8.23
Wey Hill	8.08	3.65	11	16	..
Richmond, St. Mary	9.77	3.25	11	11	5.05
Quebec, St. Mary	9.19	2.01	23	17	4.50
Above Rocks	13.06	5.50	11	7	..
Glengoffe	9.92	3.50	11	12	..
Carew Castle	..	..	..	..	10.06
Hampstead, St. Mary	7.65	2.27	23	11	4.39
Windsor Castle do.	9.36	2.75	11	13	..
Troja	8.86	2.50	11	6	..
Pear Tree Grove	8.56	3.70	11	6	..
Guy's Hill	9.50	3.23	11	12	4.13
Lucky Hill	6.76	2.27	23	14	4.66
Rio Hoe	7.86	3.25	11	10	5.86
Unity Valley	7.83	3.47	11	11	6.60
Moneague	4.83	2.00	11	7	6.69
Claremont	7.37	2.50	23	10	5.08
Averham Park	12.48	5.13	23	19	4.59
Albion	9.26	4.15	11	10	6.01
NORTHERN DIVISION (N).					
Port Maria	8.12	1.40	23	17	4.94
Wentworth	..	..	..	..	..
Oracabessa	9.97	2.00	14	15	..
Huddersfield	9.60	4.10	15	7	..
Ocho Rios	6.48	1.44	11	10	2.99
Rockfield	7.58	2.67	23	12	4.30
Liberty Hill	1.52	0.36	23	11	3.19
St. Ann's Bay	7.51	1.50	10	17	3.07
Richmond Estate	3.28	0.67	14	13	3.04
Runaway Bay	3.74	1.07	10	5	1.88
Knapdale	8.25	2.18	11	15	..
Alexandria	7.40	1.85	10	6	3.86
Bel-Air	5.90	1.60	11	10	..
Brown's Town	11.33	5.27	23	14	3.96
Wilton	9.25	2.40	23	15	..
Watt Town, St. Ann	..	..	..	..	4.58
Home Castle	9.60	2.85	23	11	3.43
Arcadia	8.36	2.00	15	11	3.27
Vale Royal	8.73	2.31	15	12	4.58
Harmony Hall	5.03	2.42	23	9	2.35
Duncans	5.82	2.33	23	9	..
Clark's Town	10.01	3.84	23	8	..
Falmouth	4.01	3.00	23	7	2.45
The Hague	..	..	..	..	..
Wales	..	..	..	..	..

STATIONS.	August, 1938.					STATIONS.	August, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi ..	5.47	3.03	23	7	..	Mereworth ..	9.66	3.09	11	18	..
Barrett Hall ..	4.77	3.10	23	4	..	Mandeville ..	17.47	5.67	11	17	8.53
Success ..	3.24	1.80	23	5	2.11	Ulster Spring ..	9.09	3.95	11	10	8.54
Rose Hall ..	3.45	1.62	23	5	2.06	Greenvale ..	10.79	4.48	11	14	..
Cinnamon Hill ..	2.80	1.45	23	4	2.19	Albert Town ..	11.93	4.20	11	7	9.25
Tryall ..	4.36	2.12	15	4	5.04	Craig Head ..	14.79	6.30	11	10	..
Running Gut ..	3.65	1.43	15	4	2.43	Warsop ..	17.28	4.90	11	10	..
Spring Estate ..	3.90	2.00	15	4	2.44	Troy ..	10.32	4.10	11	11	10.09
Friendship ..	4.07	2.25	23	10	5.63	Wallingford ..	11.80	4.03	11	16	10.33
Retirement ..	5.48	2.55	23	8	6.11	Balaclava ..	9.24	3.94	11	14	7.97
Rose Mount ..	5.07	2.27	23	8	..	Braes River ..	10.21	4.25	11	14	..
Montego Bay ..	4.89	2.25	23	5	5.12	Wakefield ..	8.13	4.94	23	7	..
Anchovy ..	5.27	1.61	10	13	6.55	Aberdeen ..	13.74	3.41	11	21	..
Hopewell ..	6.34	1.90	11	6	..	Accompong ..	..	..	..	..	..
Blue Hole ..	6.41	1.87	11	8	7.20	Maggotty ..	10.78	3.69	11	17	11.21
Cascade ..	11.92	3.73	11	9	..	Lacovia ..	11.84	2.30	11	14	..
Lucea ..	4.45	1.72	11	9	6.29	Mulgrave ..	18.35	3.46	11	23	..
Haughton Court ..	..	..	..	..	6.65	Holland ..	..	..	..	..	..
Kendal—Hanover ..	14.14	3.10	11	20	..	Ipswich ..	14.38	2.08	11	22	..
Cousins Cove ..	6.46	1.56	11	12	..	Ginger Hill ..	11.72	1.87	11	19	..
Green River ..	9.47	2.74	7	17	..	Kempshot ..	..	..	..	..	7.87
Green Island ..	7.72	1.70	11	14	9.48	Mocho, St. James ..	11.92	3.78	11	12	..
Haughton Hall ..	5.70	1.44	7	14	..	Bandon Pen ..	..	..	..	..	..
CENTRAL SUB-DIVISION.						Catadupa ..					
Knollis ..	10.35	3.56	11	17	..	..	10.52	3.70	11	16	13.41
Highgate (St. Cath.) ..	15.03	4.58	11	24	..	Cambridge ..	7.14	2.31	11	12	11.05
Rio Magno ..	9.54	4.30	11	8	..	New Market ..	12.04	1.40	11	20	13.12
Riversdale ..	3.23	1.70	11	4	..	Springfield ..	15.57	2.38	29	18	..
Headworks, R.C.C. ..	10.50	3.81	11	10	5.55	Kew Park ..	13.67	3.25	11	14	12.12
Bog Walk ..	9.97	3.70	11	16	..	The Bog ..	13.04	2.57	15	19	13.91
Linstead ..	8.96	3.82	11	17	8.62	Bethel Town Dist. ..	11.00	3.10	11	21	14.10
Ewarton ..	7.84	3.33	11	8	..	Burnt Ground ..	7.42	2.83	7	11	11.09
Cave Valley ..	6.48	2.65	11	11	7.42	Haughton Grove ..	..	..	..	..	11.30
Guanaboa Vale ..	7.14	1.95	11	13	..	Darlston ..	14.42	2.07	11	20	15.00
Point Hill ..	9.96	2.63	11	17	10.25	Bluefields ..	8.32	1.40	11	24	11.75
Brown's Hall ..	11.69	4.50	11	13	7.88	Whithorn ..	11.40	3.00	11	13	11.74
Bellas Gate ..	10.94	3.50	11	16	5.95	Water Works Pen ..	12.88	3.05	28	19	12.72
Rock River ..	7.76	3.15	11	12	..	Williamsfield, Wld. ..	13.61	3.60	11	15	..
Crofts Hill ..	9.31	3.28	11	12	7.71	Baulk ..	9.43	3.50	11	18	..
Far Enough ..	7.77	3.82	11	14	..	Askenish ..	..	..	..	..	12.78
Suttons ..	7.93	2.42	11	11	..	Grange Hill ..	9.74	3.63	11	17	13.06
Colonel's Ridge ..	9.97	3.79	11	12	..	Mount Eagle ..	10.77	4.10	11	17	..
Chapelton ..	6.23	2.88	11	15	6.31	King's Vale ..	3.34	0.63	7	11	10.61
Crooked River ..	6.96	2.92	11	13	..	SOUTHERN DIVISION (S.)					
James Hill ..	8.61	3.17	11	16	..	Morant Point L. H. ..	4.47	1.30	11	16	5.05
Frankfield ..	11.86	3.19	11	13	7.82	Golden Grove ..	..	..	..	..	..
WEST-CENTRAL DIVISION (W.C.)						Pleasant Hill ..	7.11	1.86	11	18	6.87
Mocho, Clarendon ..	7.80	2.98	11	8	6.79	East Prospect ..	9.43	2.51	23	17	6.69
Smithville ..	9.19	3.43	11	15	..	Morant Bay ..	7.90	2.10	11	11	6.43
Clarendon Park ..	..	..	..	..	..	Aeolus Valley ..	3.22	3.09	11	12	..
Porus ..	7.70	3.40	11	10	..	Yallahs ..	5.65	3.30	11	4	..
Borobridge ..	8.64	3.60	11	13	..	Easington ..	..	..	..	..	6.67
Spaldings ..	9.14	3.95	11	14	7.26	Llandewey ..	10.71	4.59	11	9	..
Williamsfield ..	10.03	3.29	11	18	..	Mavis Bank ..	9.45	5.25	11	11	..
Brokenhurst ..	11.74	3.30	11	16	8.16	Bull Bay ..	3.10	2.30	11	5	2.54
Shooter's Hill ..	8.78	3.03	11	13	7.38	Dallas Castle ..	9.38	6.63	11	13	..
Wait-a-bit ..	16.97	6.15	11	15	..	Gordon Town ..	11.41	5.40	11	9	5.09
Christiana ..	9.58	4.50	11	15	7.03	Irish Town ..	9.85	5.50	11	10	5.95
Holmwood ..	8.21	5.34	11	7	..	Hope Gardens ..	8.12	6.87	11	10	5.81
Clifton Hill ..	14.68	5.30	11	11	8.46	Waireka ..	..	..	..	..	..
Kendal, Manchester ..	8.14	3.15	11	10	8.13	Iver ..	7.09	3.93	11	17	..
						Barbican ..	..	..	..	..	..
						Plumb Point L. H. ..	6.10	4.00	11	8	3.47

STATIONS.	August, 1938.					STATIONS.	August, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	7.49	4.00	11	7	4.90	Newport, Man.	11.82	2.32	11	15	7.35
Up-Park Camp	6.08	3.60	11	11	..	Alligator Pond	5.57	1.79	11	11	4.13
Cavaliers	6.45	2.27	11	13	..	Fairfield	10.17	3.29	11	18	6.16
St. Georges College	6.72	3.66	11	12	..	Pepper	..	..	..	..	..
Upper Kingston	6.63	3.42	11	12	4.83	Myersville	..	..	..	..	..
Parade Garden	..	..	..	..	..	Goshen	8.01	3.44	11	16	..
Kingston P.W.O.	6.23	2.74	11	10	3.60	Southfield, St. Eliz.	6.03	1.70	11	14	6.29
Constant Spring	9.67	4.25	11	15	..	Munro	7.61	1.66	11	19	..
Halfway Tree	6.14	2.93	11	11	3.84	Windsor, St. Eliz.	11.30	2.10	11	22	..
Clifton Pen	7.50	3.63	11	11	3.91	Torrington	5.90	1.05	20	14	5.54
Seaward Pen	5.38	2.19	11	4	..	Santa Cruz	10.30	2.90	11	20	9.25
Red Hills	10.44	4.50	11	17	..	Hounslow	6.45	1.65	11	10	..
Quarantine Station	3.83	1.60	11	10	2.56	Pedro Plains	6.47	2.14	31	12	2.92
Hematine	6.94	1.81	11	9	3.66	Mountainside	9.69	1.88	31	14	5.38
Spanish Town	8.91	4.18	11	9	3.87	Fort Charles	3.35	0.97	11	7	..
Hog Hole, St. Cath.	9.70	4.10	11	9	4.25	Black River	7.11	1.15	31	14	6.31
Old Harbour	10.45	3.00	20	14	4.71	Mt. Charles	6.13	1.05	31	18	..
May Pen	7.62	2.38	11	17	5.26	Font Hill	6.90	1.45	11	11	6.27
Glen Muir	8.80	4.30	28	7	..	Mount Edgecombe	8.25	1.19	31	20	8.46
Cottage	3.52	1.80	11	6	..	Sweet River	..	..	..	..	9.16
Belle Plain	9.83	3.67	11	11	..	Sav.-la-Mar	6.11	1.70	11	15	7.86
Milk River	4.41	1.50	21	8	4.26	Little London	6.50	3.91	11	14	6.66
Retrieve	5.77	1.71	24	8	4.06	Retreat	8.21	4.38	11	14	8.42
Stone Hope	10.85	1.94	23	17	6.48	Negril Point L. H.	8.85	3.61	11	18	6.50

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	August.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern	10.69	7.41	14	11
Northern	6.62	4.89	10	9
West-Central	10.57	10.17	15	15
Southern	7.57	5.27	13	10
The Island means	8.86	6.93	13	11

SHOCKS OF EARTHQUAKE IN AUGUST, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
13	8.45a.m.	I	Unity Valley
"	"	"	Frankfield
"	"	"	Kew Park
"	"	"	Windsor
"	"	"	Myersville
"	"	"	Alligator Pond
"	"	"	Race Course
"	"	"	Mountainside
"	"	"	Pratville
"	5.12 a.m.	"	East Prospect

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—AUGUST.

The mean rainfall for the Island exceeded the average in all Divisions.

The heaviest precipitation occurred on the 11th and 23rd due to Tropical Disturbances in the vicinity of the Island.

The greatest total fall for the month was 25.72 inches at Millbank in the North-eastern Division, and the heaviest fall in 24 hours was 8.55 inches at Castleton Gardens in the same Division on the 11th.

The mean number of days on which rain fell was 13, the average for the month being 11. The greatest number was 27 at Fellowship in the North-eastern Division.

The mean rainfall in each parish is given below, compared with the 10 year average. Portland, with 14.00 inches was highest; Westmoreland, with 10.40 inches was second; and Manchester, with 10.34 inches was third. St. James, with 5.40 inches was lowest.

Parish.	1938.	10-year Average.	Parish.	1938.	10-year Average.
Kingston ..	6.42	5.61	St. James ..	5.40	6.11
St. Andrew ..	9.54	7.25	Hanover ..	7.58	8.67
St. Thomas ..	8.89	8.24	Westmoreland ..	10.40	9.91
Portland ..	14.00	10.48	St. Elizabeth ..	9.89	7.00
St. Mary ..	9.78	6.38	Manchester ..	10.34	8.23
St. Ann ..	7.26	4.87	Clarendon ..	8.08	6.81
Trelawny ..	9.64	5.36	St. Catherine ..	9.13	7.46

CITY OF KINGSTON.

The total rainfall for the month of August, 1938, was 6.23 inches, the 60-year normal being 3.60 inches, or nearly 75% above the normal. There were ten days of appreciable rain, as against the 49-year average of nine. The greatest fall in 24 hours was 2.74 inches on the 11th, at the time of the passing of a weather disturbance. The upper boundary of Kingston gauged 6.63 inches with twelve days of rain.

The days upon which distant rain was observed are as follows:—

To northward 13 days; to north-east 7; to south-east 2; to south 6; to south-west 2; to north-west 5.

Distant lightning to south once, to north twice; distant thunderstorm to north on 7 days; to north-east 3 days and to south-west one day. Local thunderstorm on 3rd, 12th, 25th and 31st.

The mean barometric pressure was 29.911 inches, shewing 0.018 of an inch below the 33-year normal of 29.929 inches. The highest barometer reading was 30.013 inches on the 12th at 3 p.m. and the lowest was 29.779 inches on the 23rd at 9 p.m. corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 81.1° or only 0.1° above the normal. The highest maximum was 93.1° on the 14th, and the lowest minimum was 71.7° on the 1st and 21st, giving an extreme monthly range of 21.4°. On the other hand, the lowest maximum was 83.0° on the 23rd, and the highest minimum was 76.3° on the 20th. The maximum was 90° or above on ten days; and the minimum was above 70° throughout. The greatest daily range was 19.8° on the 14th, and the least range was 7.4° on the 23rd.

The mean daily miles of wind, registered, was 190 as against the 25-year average of 193. The greatest number of miles in 24 hours was 394 on the 24th, when a weather disturbance passed to the south of the Island; and the least was 107 on the 9th. The highest hourly velocity was 30 m.p.h. on the 2nd at 1.15 p.m. South-easterly wind appeared early on three days, and continued after 7 p.m. on nine occasions.

The mean relative humidity was 78%, the 33-year normal being 79%. The mean 7 a.m. was 81% and the mean 3 p.m. was 68%. The lowest 7 a.m. was 69% on the 2nd and the lowest 3 p.m. 52% on the 19th.

Overcast conditions prevailed in the forenoon on ten occasions and in the afternoon on twenty-two.

Total evaporation for August 1938, 5.43 inches, the 10-year average being 7.56 inches. Rainfall much above the average.

The mean daily number of sunshine hours was 8.6.

There was a moderate shock of earthquake felt mostly over the south-western section of the Island on the 13th at, approximately, 8.45 a.m. extending over an area lying between Black River and near to Portland Point in the South-west section covering about 10 miles inland, no damage reported. It appears to have had a duration of about three seconds.

WEATHER DISTURBANCES.

Evidence of a moderate tropical disturbance was, from local observation observed to be developing to the westward of Haiti in the afternoon of the 11th, and caution was advised the Island by telegraph. This storm moved on a track to the near north of Jamaica in a WNW course arriving at a short distance west of Grand Cayman in the forenoon of the 12th.

Some appreciable loss to cultivation along the northern section of Jamaica was experienced, high winds were reported from several localities. At Kingston the wind attained its greatest velocity of 27 m.p.h. SW on the 11th from 4 to 5 p.m. At Grand Cayman several schooners suffered—the schooner "Majestic" was driven on West Bay Beach and badly damaged. H.M.S. Orion rendered valuable rescuing service. About nine houses were destroyed and the hurricane caused injury to several persons.

Some interesting local observations, by means of instruments and otherwise, were noted when the storm centre was in the vicinity of the western part of Jamaica during the evening hours, by Mr. Foster of

Rose Mount (to the east of Montego Bay), Mrs. Stillwagon of Kempshot and Mr. Brownhill of Negril Point. The time of lowest barometric pressure was at 7.45 p.m. on the 11th when the storm centre was nearest and a SE gale was reported from Kempshot.

This storm, in its progressive movement, travelled westward at the rate of 25 miles per hour which is very exceptional; the average rate being about 12 to 15 miles per hour.

The lowest barometer pressure at Kingston was 29.847 inches at 4.30 p.m. and at Kempshot 29.712 inches at 7.30 p.m. on the 11th, corrected for diurnal variation. The storm centre was very much nearer to Kempshot than when north of Kingston, about 25 miles, hence Kempshot's lower barometer. And Negril Point which is about 15 miles further southward than Kempshot gave a barometer pressure of 29.745 inches at 9 p.m. on the 11th.

During the early morning of Tuesday, the 23rd of August, at 7 a.m., Mr. Chas. Durrant of Morant Point Lighthouse, telegraphed to Kingston, certain observations, giving the barometric pressure at 29.84 inches with wind north-east at 25 miles per hour and overcast conditions with lower clouds from the east, distant thunderstorm and heavy seas. Later on the wind increased in velocity to 40 miles per hour, (gale force), from the east with showers and continued heavy seas. Morant Point barometer then read 29.80 inches at 9 p.m. on the 23rd.

At Kingston the pressure continued to fall to 29.85 ins. with north-west wind at 6 m.p.h. The United States Weather Bureau was notified, and general warning was issued, stating disturbed weather conditions, with some indications of the formation of a cyclonic circulation, about 300 miles to the south-east of Kingston, Jamaica, with a movement to the west-north-westward. At 3 p.m. a second warning was broadcast, reporting the tropical disturbance was increasing in intensity at 1 p.m., approximately 200 miles to the south of Kingston, moving west-north-westward at a rate of 16 to 21 miles per hour, attended by shifting gales and probably winds of hurricane force near to centre. Caution advised.

The barometric pressure at Kingston continued to fall, when at 9 p.m. it shewed 29.78 inches, representing 0.13 of an inch below the normal pressure, caused no doubt by the gaining of intensity of wind velocity at the centre of this storm in its forward movement. Mr. J. S. Brownhill of Negril reported falling barometer on the 23rd with sea swell from the south-east from 6 to 9 p.m., with light rain.

At about 6 to 7 p.m. on the 23rd the centre of this disturbance is estimated to have arrived at a point about 150 miles to the south of Negril Point. But at 7 a.m. on the 24th the barometer continued to fall to 29.77 inches owing to increased wind force at storm centre.

Mr. Edward Foster, F.S.I. of Rose Mount, Montego Bay, also observed his lowest barometer reading at 29.77 inches at about the same hour as that at Negril Point.

This storm after leaving some distance to the south of Jamaica, proceeded on a track approximately west-north-westward, and in accordance with messages broadcast by Washington, arriving at 8 p.m. on the 24th, placed it at about 100 miles to south-west of Grand Cayman Island, moving north-westward at about 12 to 14 miles per hour, with heavy gales over a considerable area and winds of hurricane force over an enlarged area near and north of centre. At 7 a.m. on the 25th the storm centre was located about 160 miles to the south-east of Cozumal Island, off the east coast of the Yucatan Peninsula, and about 160 miles south of the extreme western end of Cuba, moving to north-westward at 14 to 16 miles per hour. The centre passed over the extreme Northern Yucatan Peninsula late in the afternoon of the 25th, with a further movement to the Southern Gulf of Mexico.

Jamaica experienced brisk south-easterly wind for about 2 days following, with relatively slight damages to cultivation. Heavy rainfall was experienced. Some localities reported heavy gusts of wind.

The weather disturbance of the 11th August caused about three times more precipitation in 24 hours than at the time of the other disturbance of the 23rd.

The necessary hurricane warnings were circulated throughout the Island through the Island Telegraph Department.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for August, 1938, was 17.42 inches, Greatest fall in 24 hours 7.16 inches on the 24th with 10 days of rain.

In the early morning of August 12th there was a cyclone which lasted about half an hour with wind velocity approaching hurricane force and followed by heavy rains. The centre passed within the vicinity of the Island.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
September 20th, 1938.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

SEPTEMBER, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.924	29.896	82.1	84.7	87.6	77.3	10.3	89.6	2*	70.0	5	19.6
Kingston	24	29.900	29.859	75.5	85.4	88.4	73.4	15.0	91.2	25	70.3	7	20.9
Negril Point Light House	33	29.907	29.875	77.0	84.8	87.6	73.4	14.2	90.3	18	71.1	21	19.2
Montego Bay†	33	..	..	74.8	84.1	90.1	71.3	18.8	93.0	18	68.0	17	25.0
Castleton Gardens	496	..	..	70.9	81.2	85.7	70.1	15.6	90.0	25	68.0	21	22.0
Hope Gardens†	668	29.939	29.850	74.1	85.1	87.3	69.8	17.5	91.0	25*	66.0	14	25.0
Hill Gardens, Blue Mountains	4,900	25.243	25.233	64.0	66.3	68.5	57.0	11.5	71.0	1*	56.0	7*	15.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.			3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°	%			ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	76	80	77	76	11.35	232	NE	10.0	ENE	8.0	2.2	1.9	2.3	2.3	2.7	2.2	
Kingston	24	71	86	75	72	5.95	150	N	3.4	SE	11.8	0.5	0.4	3.0	4.5	0.5	2.3	
Negril Point Light House	33	73	86	75	73	5.56	119	ENE	3.8	Var.	8.0	1.0	0.7	6.2	1.3	5.5	1.8	
Montego Bay	33	71	89	77	79	10.73	..	SE	2.0	NE	6.0	..	..	..	..	..	..
Castleton Gardens	496	69	95	76	86	26.24	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	86	72	65	12.43	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	62	91	62	87	12.14	..	..	..	..	..	..	..	..	..	..	..

* And on other days. † Hope Gardens—observations made at 9 a.m. and 3 p.m.

† Montego Bay—observations made at 8 a.m. and 3 p.m.

September, 1938.						September, 1938.					
STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.	STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.						WEST-CENTRAL DIVISION, contd.					
Adelphi	6.42	1.17	14	13		Mereworth	7.97	2.21	4	16	
Barrett Hall	2.85	1.45	11	6		Mandeville	10.90	2.66	4	15	10.05
Success	2.70	0.93	11	5	3.55	Ulster Spring	10.57	2.12	14	16	10.17
Rose Hall	2.36	0.77	20	5	3.46	Greenvale	9.26	2.41	6	13	
Cinnamon Hill	2.36	0.75	11	5	3.89	Albert Town	11.29	2.40	24	16	10.87
Tryall	4.44	1.65	20	11	5.12	Craig Head	4.16	1.00	4	5	
Running Gut	3.35	2.10	20	5	3.68	Warsop	13.63	3.90	9	9	
Spring Estate	4.38	1.85	20	9	3.58	Troy	9.82	3.00	15	18	13.70
Friendship	12.64	2.30	11	17	8.34	Wallingford	5.92	1.53	1	18	12.37
Retirement					9.37	Balachava	6.57	1.71	1	11	11.00
Rose Mount	7.79	1.78	11	18		Braes River	10.14	4.33	30	15	
Montego Bay	10.73	2.76	11	16	6.58	Wakefield	6.99	1.62	22	11	
Anchovy	8.15	1.32	4	21	6.98	Aberdeen	11.21	2.77	25	15	
Hopewell	10.15	1.95	11	17		Accompong	8.52	2.15	30	9	
Blue Hole	11.14	2.63	22	13	10.09	Maggotty	10.24	2.27	30	16	11.82
Cascade	17.60	3.55	6	19		Lacovia	4.92	2.04	25	11	
Lucea	7.42	1.65	23	10	8.16	Mulgrave	13.54	2.02	21	21	
Haughton Court					7.16	Holland					
Kendal—Hanover	20.52	3.00	7	18		Ipswich	12.42	1.85	12	18	
Cousins Cove	8.54	1.39	6	20		Ginger Hill	11.92	1.66	21	14	
Green River	12.55	2.00	21	17		Kempshot	12.75	2.34	20	16	9.10
Green Island	6.92	1.59	7	13	10.37	Mocho, St. James	16.92	3.55	6	13	
Haughton Hall	6.67	1.52	6	20		Bandon Pen					
CENTRAL SUB-DIVISION.						Catadupa	11.91	1.95	6	19	14.69
Knollis	6.25	1.85	6	11		Cambridge	14.71	3.25	6	22	12.29
Highgate (St. Cath.)	11.63	2.32	11	19		New Market	12.80	5.38	30	15	11.81
Rio Magno	6.79	2.61	3	9		Springfield	11.86	4.27	30	13	
Riversdale	8.11	1.70	6	8		Kew Park	11.71	2.25	20	16	12.38
Headworks, R.C.C.	4.15	1.30	25	9	6.24	The Bog	12.31	3.35	30	16	12.72
Bog Walk	6.41	1.40	6	10		Bethel Town Dist.	15.39	1.98	22	22	15.76
Linstead	4.14	1.24	6	11	7.48	Burnt Ground	12.42	2.82	6	19	13.30
Ewarton	2.96	1.20	6	6		Haughton Grove					12.38
Cave Valley	7.72	1.85	6	10	7.87	Darliston	14.21	2.87	26	17	15.46
Guanaboa Vale	3.79	0.90	4	9		Bluefields	10.22	2.32	6	12	10.83
Point Hill	7.89	1.90	24	14	10.89	Whithorn	14.41	3.00	30	13	11.20
Brown's Hall	6.14	1.61	12	11	9.81	Water Works Pen	11.00	3.15	30	13	11.01
Bellas Gate	4.32	1.28	4	16	5.71	Williamsfield, Wld.	16.96	2.10	2	23	
Rock River	7.78	2.30	6	10		Baulk	11.78	2.02	4	15	
Crofts Hill	9.73	3.41	12	13	7.67	Askenish	17.59	2.57	21	18	12.07
Far Enough	8.02	2.16	13	12		Grange Hill	12.48	3.00	30	14	11.75
Suttons	9.07	2.08	5	11		Mount Eagle	13.83	3.10	30	15	
Colonel's Ridge	8.05	2.70	6	10		King's Vale	3.65	0.68	23	16	10.85
Chapelton	11.18	3.82	6	10	7.86	SOUTHERN DIVISION (S.)					
Crooked River	8.49	2.59	6	15		Morant Point L. H.	11.35	4.84	5	18	6.94
James Hill	7.94	3.26	6	17		Golden Grove					
Frankfield	13.34	2.15	6	14	7.17	Pleasant Hill	14.92	4.62	5	19	8.44
WEST-CENTRAL DIVISION (W.C.)						East Prospect	19.80	7.68	5	16	8.37
Mocho, Clarendon	11.14	2.81	4	11	9.10	Morant Bay	10.73	3.80	5	18	8.00
Smithville	12.45	2.32	6	12		Aeolus Valley	4.42	6.55	4	14	
Clarendon Park						Yallahs	10.84	5.53	4	5	
Porus	10.21	2.30	4	10		Easington	15.68	6.97	4	8	8.18
Borobridge						Llandewey	12.62	8.00	4	7	
Spaldings					7.97	Mavis Bank	8.25	3.72	4	9	
Williamsfield	13.47	3.45	4	18		Bull Bay	2.11	1.63	4	3	4.10
Brokenhurst	7.74	2.25	4	13	9.91	Dallas Castle	17.45	6.08	4	12	
Shooter's Hill	9.07	3.68	6	8	9.14	Gordon Town	9.20	2.33	4	9	7.84
Wait-a-bit	8.70	2.00	12	13		Irish Town	10.01	2.15	30	13	8.35
Christiana	8.11	1.60	4	14	9.17	Hope Gardens	12.43	2.57	4	12	6.94
Holmwood	6.15	1.71	4	8		Waireka					
Clifton Hill	10.47	2.40	6	7	11.43	Iver	8.81	1.63	4	17	
Kendal, Manchester	11.02	3.45	4	10	9.60	Barbican					
						Plumb Point L. H.	10.13	5.10	4	8	4.30

STATIONS.	September, 1938.					STATIONS.	September, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	9.22	2.65	6	8	5.32	Newport, Man.	6.64	1.40	6	12	8.20
Up-Park Camp	7.66	2.50	5	8		Alligator Pond	4.10	1.07	4	7	5.48
Cavaliers	7.27	2.12	6	10		Fairfield	4.25	1.17	19	16	7.94
St. Georges College	7.42	2.48	4	9		Pepper					
Upper Kingston	7.04	2.30	4	9	4.33	Myersville	3.86	1.00	11	6	
Parade Garden	5.53	1.98	4	7		Goshen	3.81	1.66	30	10	
Kingston P.W.O.	5.95	2.44	4	8	3.87	Southfield, St. Eliz.	4.64	1.30	4	9	7.80
Constant Spring	10.46	2.45	30	18		Munro	5.97	2.35	12	12	
Halfway Tree	7.93	2.55	6	9	4.72	Windsor, St. Eliz.	5.77	3.33	30	15	
Clifton Pen	7.67	2.45	4	11	4.24	Torrington	3.88	1.40	12	6	6.49
Seaward Pen	7.01	2.63	6	4		Santa Cruz	7.60	2.06	13	13	9.66
Red Hills	10.71	2.65	6	18		Hounslow	2.75	1.35	30	5	
Quarantine Station	6.92	2.65	4	9	2.98	Pedro Plains	2.58	1.05	12	8	4.07
Hematine	4.55	1.05	4	10	4.89	Mountainside	1.79	1.25	30	5	4.66
Spanish Town	3.79	0.95	4	10	4.94	Fort Charles	1.10	1.10	30	1	
Hog Hole, St. Cath.	6.84	1.48	12	11	5.69	Black River	4.28	0.92	25	10	5.43
Old Harbour	5.08	3.08	4	10	6.01	Mt. Charles	4.22	1.14	30	14	
May Pen	6.81	4.17	4	16	7.04	Font Hill	4.50	2.05	30	6	6.66
Glen Muir						Mount Edgecombe	7.45	1.40	30	9	8.27
Cottage	6.59	2.56	4	10		Sweet River					8.11
Belle Plain	11.27	3.70	4	11		Sav.-la-Mar	9.16	3.47	1	12	7.08
Milk River	5.66	1.78	4	6	7.27	Little London	7.07	1.50	4	15	9.25
Retrieve	5.50	1.56	4	9	7.42	Retreat	4.44	1.55	4	12	7.72
Stone Hope	6.32	2.00	4	7	8.67	Negril Point L. H.	5.56	1.50	4	15	6.71

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	September.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern ..	10.52	8.48	13	13
Northern ..	5.57	5.89	11	10
West-Central ..	11.09	10.99	14	16
Southern ..	7.27	6.42	10	11
The Island means ..	8.61	7.94	12	13

SHOCKS OF EARTHQUAKE IN SEPTEMBER, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc
		None reported.	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—SEPTEMBER.

The Mean rainfall for the island was above the average. The Northern Division was slightly below, but the other three Divisions were well above their averages.

The heaviest precipitation appears to have occurred in the early part of the month, and particularly from the 4th to the 6th.

The greatest total fall for the month was 32.37 inches at Millbank in the North-eastern Division, and the heaviest fall in 24 hours was 13.70 inches at Darley in the same Division on the 4th.

The Mean number of days on which rain fell was 12, the average for the month being 13. The greatest number was 23 at Williamsfield, Westmoreland, in the West-Central Division.

The Mean rainfall in each Parish is given below, compared with the 10-year average. St. Thomas with 15.52 inches was highest; Portland with 14.40 inches was second; and Hanover, with 11.26 inches was third. St. Ann, with 4.23 inches was lowest.

Parish.	1938	10-year Average.	Parish.	1938.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston ..	7.21	3.88	St. James ..	7.78	6.31
St. Andrew ..	10.34	8.42	Hanover ..	11.26	8.84
St. Thomas ..	15.52	9.59	Westmoreland ..	11.12	9.62
Portland ..	14.40	18.90	St. Elizabeth ..	6.83	7.84
St. Mary ..	6.48	6.40	Manchester° ..	7.96	9.28
St. Ann ..	4.23	5.59	Clarendon ..	9.17	7.38
Trelawny ..	6.94	6.26	St. Catherine ..	6.44	6.70

The total Mean Rainfall for the nine months is given below, compared with the 60-year average, and shews a deficiency of 5.84 inches:—

Month.	1938.	60-year Average.
	Inches.	Inches.
January ..	2.83	4.00
February ..	2.87	3.13
March ..	2.21	3.35
April ..	4.47	4.77
May ..	5.19	8.77
June ..	4.15	6.53
July ..	5.14	4.75
August° ..	8.86	6.93
September° ..	8.61	7.94
	44.33	50.17

CITY OF KINGSTON.

The total rainfall for the month of September, 1938, was 5.95 inches, or 2.08 inches above the average. The greatest fall in 24 hours was 2.24 inches on the 4th. There were eight days with rain compared to the average of ten. Upper boundary of Kingston gauged 7.04 inches and nine days with rain.

The days upon which distant rain was observed were eleven to northward, to north-eastward five, to eastward on five, to south-east, south, and south-west on three days each, to westward two and to north-west on six days.

Distant lightning seen in the evening to northward on three occasions and to north-westward twice. Distant thunderstorm to northward on seven days, to south twice, to southwest and west once each; to northwest on five occasions.

Local thunderstorm on 9th, 11th, and 30th.

Mean barometric pressure 29.891 inches, shewing 0.002 of an inch above the normal of 29.889 inches. The highest barometer reading was 29.953 inches on the 23rd at 3 p.m., and the lowest was 29.802 inches on the 13th at 9 p.m. (at the time of proximity of a weather disturbance to northward); figures corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 80.2°, the 33-year normal being 80.6°, or 0.4° below the normal. The highest maximum was 91.2° on the 25th and the lowest Minimum was 70.3° on the 5th showing an extreme monthly range of 20.9°. On the other hand the lowest maximum was 82.5° and the highest minimum was 75.4° on the 20th. The maximum was above 90° on 3 occasions and the minimum above 70° throughout. The greatest daily range was 17.5° on the 24th, the least range was 10.3° on the 5th.

The mean daily miles of wind registered was 150. The 25-year average gives 169, or about 11% below the average. The greatest number of miles of wind recorded in 24 hours was 262 on the 21st and the least was 91 on the 18th. Highest hourly velocity was 28 m.p.h. on the 3rd at about 2.30 p.m. South-easterly wind appeared early twice and continued after 7 p.m. on nine occasions.

Mean relative humidity was 83%, the 33-year normal being 82%. The mean 7 a.m. gives 86% and the mean 3 p.m. 72%. Lowest 7 a.m. 79% on 4th and lowest 3 p.m. 51% on 21st.

Overcast conditions prevailed in the forenoon on ten occasions and in the afternoon on twenty-one.

The mean daily number of sunshine hours recorded was 8.3.

The total evaporation for the month of September was 3.89 inches. The ten-year normal shews 5.13 inches. This deficiency is no doubt attributable to excess of rainfall.

WEATHER DISTURBANCE.

A well-developed Tropical Disturbance, estimated at full hurricane intensity, appeared about 100 miles to the north-east of the Leeward Islands, and was located by the United States Weather Bureau at about 7 p.m. on the 17th of September, in the vicinity of Latitude 22° North and Longitude $57\frac{1}{2}^{\circ}$ West, apparently moving westward at a progressive speed of from 15 to 20 miles per hour. It continued upon a storm track as follows: On the 18th September at 7 a.m., Lat. $22\frac{1}{2}^{\circ}$ North, and Longitude 62° West. On the 19th at 7 p.m. it was near to Lat. 23° North and Longitude 66° West. It then incurred acutely in a north-westerly direction with winds of hurricane force near to the centre. On the 20th at 7 a.m. this disturbance was described as of great intensity, when located at Lat. 38° North and Longitude 75° West, changing to a more northerly track, somewhere to the eastward of Washington, and shortly after in the vicinity of New York City, maintaining hurricane force. Shipping along the Atlantic Coast of the U.S.A. suffered materially in some instances. In the New England States of America and in Quebec, Canada, the disasters were reported as appalling. Great loss of life and millions of pounds of property damages were experienced from hurricane winds, floods, tidal waves and conflagration in some areas. A similar experience has never been recorded for over a century in these regions of the U.S.A.

The centre of this hurricane evidently passed nearest to Jamaica on the 19th September at about 600 miles to the northeast of Kingston. The barometric pressure at Kingston fell, only, about 0.03 of an inch below the normal. The storm was, no doubt, at this time of a relatively small diameter.

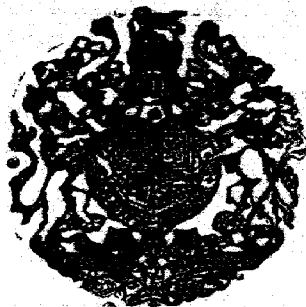
Otherwise, the Caribbean region this month was free of disturbance of any note.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for September, 1938, was 6.16 inches. Greatest fall in 24 hours was 2.50 inches on the 4th with 9 days of rain.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
October 20th, 1938.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

OCTOBER, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adapted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)				Extreme Temperature (F.)					
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ft.	ins.	ins.	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.897	29.856	80.2	84.3	87.1	76.2	10.9	91.8	25	71.0	1*	20.8
Kingston	24	29.877	29.823	75.3	86.3	88.5	73.4	15.1	92.9	8	69.9	1	23.0
Negril Point Light House	33	29.883	29.843	76.7	84.5	87.8	73.2	14.6	91.3	23	70.5	2	20.8
Montego Bay†	33	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	..	..	70.7	81.0	85.1	69.7	15.4	88.0	24	67.0	19*	21.0
Hope Gardens†	668	29.913	29.831	74.5	85.8	88.6	70.3	18.3	92.0	8*	68.0	1	24.0
Hill Gardens, Blue Mountains	4,900	25.236	25.222	64.2	66.1	68.2	56.4	11.8	70.0	11*	56.0	1*	14.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.	3 p.m.					7 a.m.	3 p.m.			7 a.m.	3 p.m.				
	ft.	°	%	°	%	ins.	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.	M.	U.
Morant Point Light House	8	75	84	76	76	8.25	140	NE	5.0	E	7.0	2.3	1.8	1.9	1.3	3.0	2.5
Kingston	24	71	86	74	68	3.26	141	N	4.6	SE	9.7	1.8	0.5	1.3	6.1	1.5	1.4
Negril Point Light House	33	73	87	74	71	8.62	118	ENE	3.7	Var.	7.5	1.8	1.1	5.6	1.1	5.0	2.2
Montego Bay	33	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Castleton Gardens	496	69	95	77	86	19.24	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	69	86	75	70	4.68	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns. ..	4,900	62	93	62	87	9.95	..	..	..	..	..	..	..	..	..	..	..

* And on other days. † Hope Gardens—observations made at 9 a.m. and 3 p.m.

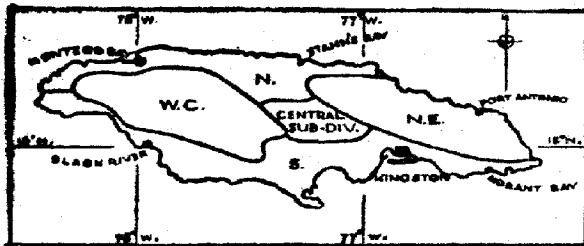
† Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shore from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



October, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	8.51	1.86	20	21	16.40
Priestman's River	17.24	3.75	5	17	13.31
Bath	11.44	3.12	20	13	16.43
Barrett's Gap	13.98	3.25	20	14	
Millbank					
Comfort Castle	13.75	2.36	3	19	
Moore Town	10.30	3.00	4	14	18.74
Port Antonio	12.28	3.00	15	15	14.24
Passley Garden	9.65	2.16	20	17	
Fellowship	13.47	4.50	20	15	15.96
Johnson River Br.	9.74	2.00	20	15	13.59
Trinity Ville	8.32	1.30	20	17	
Fruitful Vale	10.73	3.10	1	6	
Hope Bay	4.83	1.43	30	10	
Cedar Valley	6.09	2.37	19	7	13.94
Moy Hall					19.41
Paradise	4.47	1.35	30	9	
Lennox	7.29	1.93	20	14	
Greenvale	11.40	2.80	4	18	10.97
Darley	10.06	2.91	20	18	
Spring Garden					6.13
Hill Gardens	9.95	2.36	20	13	16.21
Buff Bay	6.65	1.60	20	13	9.27
Buff Bay R. Est.	8.43	1.85	30	14	
Belvedere, Portland	9.63	1.75	30	14	6.55
Windsor Castle, do.	5.26	1.37	5	14	7.38
Balcarres	15.78	3.33	4	17	
Mt. Holstein	10.21	3.00	15	14	
Cedar Hurst	10.01	1.65	20	17	
Hardware Gap	13.00	2.24	20	18	14.72

October, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION, contd.	Ins.	Ins.			Ins.
Rose Hill	11.60	3.17	20	17	15.84
Mount Cressy	14.09	3.80	4		
Hermitage	12.03	1.95	24	17	
Mount Airy	10.51	2.77	4	15	
Stony Hill Ind. Sch.	7.30	1.71	20	17	14.06
Boon Hall	6.91	1.45	20	19	
Brandon Hill	10.61	1.88	4	16	
Enfield	10.01	1.67	5	18	
Aguaite Vale	8.39	3.59	4	15	6.26
Castleton Gardens	19.24	3.90	4	14	14.36
Water Valley	5.11	1.72	20	11	7.27
Albany	7.41	1.50	20	15	7.44
Lawrence Tavern	7.78	1.72	20	14	11.90
Wey Hill	14.50	2.99	20	15	
Richmond, St. Mary	5.93	1.74	20	7	8.14
Quebec, St. Mary	10.09	1.78	20	15	9.33
Above Rocks	10.52	2.88	20	17	
Glengoffe	14.14	2.32	4	11	
Carew Castle	10.87	2.60	20	14	12.61
Hampstead, St. Mary	6.43	1.38	20	12	7.88
Windsor Castle do.	8.95	2.18	13	15	
Troja	5.76	1.35	30	8	
Pear Tree Grove	8.62	2.10	3	8	
Guy's Hill	6.26	1.94	13	17	7.27
Lucky Hill	6.13	1.40	4	14	8.26
Rio Hoe	7.86	2.51	1	10	8.68
Unity Valley	17.15	3.98	2	19	8.94
Moneague	9.86	2.34	1	17	8.97
Claremont	10.92	2.52	5	15	8.18
Averham Park	9.88	2.00	5	22	10.52
Albion	3.44	2.50	16	14	8.89
NORTHERN DIVISION (N).					
Port Maria	9.83	1.96	20	17	8.26
Wentworth	7.70	1.72	20	11	
Oracabessa	10.86	2.10	20	16	
Huddersfield	12.97	2.75	15	9	
Ocho Rios	8.75	2.00	4	6	5.56
Rockfield	8.44	1.35	4	16	6.40
Liberty Hill	1.73	0.47	4	11	5.93
St. Ann's Bay	5.25	2.05	13	12	6.62
Richmond Estate	3.40	0.97	13	14	6.94
Runaway Bay	4.93	2.20	20	8	3.07
Knapdale	9.77	2.31	19	19	
Alexandria	7.11	1.74	1	11	7.96
Bel-Air	8.05	2.35	20	20	
Brown's Town	13.36	4.30	4	17	8.32
Wilton	9.65	2.29	4	16	
Watt Town, St. Ann	5.03	1.83	5	9	8.33
Home Castle	14.70	4.50	4	13	6.51
Arcadia	7.33	2.68	19	15	6.15
Vale Royal	8.76	3.20	19	17	6.50
Harmony Hall	8.45	2.10	3	12	5.18
Duncans	9.70	2.83	19	10	
Clark's Town	9.44	3.44	18	12	
Falmouth	6.52	2.25	3	11	5.54
The Hague					
Wales					

STATIONS.	October, 1938.					STATIONS.	October, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.	Ins.	Ins.			Ins.	WEST-CENTRAL DIVISION, contd.	Ins.	Ins.			Ins.
Adelphi ..	7.37	1.44	14	13	..	Mereworth ..	8.86	2.70	4	21	..
Barrett Hall ..	6.15	2.25	4	10	..	Mandeville ..	10.51	2.46	20	17	14.86
Success ..	12.50	2.60	1	11	5.98	Ulster Spring ..	12.57	3.06	3	15	11.90
Rose Hall ..	17.88	4.05	19	13	6.24	Greenvale ..	11.21	2.25	3	13	..
Cinnamon Hill ..	14.89	3.20	19	13	6.66	Albert Town ..	13.29	3.08	16	15	11.79
Tryall ..	11.87	2.38	5	15	6.01	Craig Head ..	11.66	3.88	3	8	..
Running Gut ..	15.35	2.90	19	12	5.52	Warsop ..	13.75	3.10	16	11	..
Spring Estate ..	15.68	2.88	5	14	6.33	Troy ..	15.06	2.40	6	17	15.46
Friendship ..	14.60	2.65	1	15	10.16	Wallingford ..	10.30	2.20	4	13	13.54
Retirement ..	..	..	..	..	9.63	Balaclava ..	9.55	1.88	4	13	12.22
Rose Mount ..	8.90	1.72	21	20	..	Braes River ..	..	..	..	..	..
Montego Bay ..	9.96	1.38	1	13	7.53	Wakefield ..	8.80	2.75	18	15	..
Anchovy ..	3.98	0.76	6	14	6.96	Aberdeen ..	11.51	2.84	17	14	..
Hopewell ..	7.27	1.80	25	15	..	Accompong ..	..	..	..	..	..
Blue Hole ..	9.21	1.83	1	12	10.44	Maggotty ..	12.08	3.85	2	15	13.85
Cascade ..	17.84	2.68	4	19	..	Lacovia ..	7.12	1.70	2	10	..
Lucea ..	10.56	3.35	10	16	8.12	Mulgrave ..	12.31	2.25	17	15	..
Haughton Court ..	..	..	..	..	7.18	Holland ..	..	..	..	..	..
Kendal—Hanover ..	12.57	2.23	20	21	..	Ipswich ..	13.90	3.05	14	15	..
Cousins Cove ..	6.57	1.32	14	21	..	Ginger Hill ..	9.11	2.39	4	12	..
Green River ..	9.73	2.45	20	16	..	Kempshot ..	12.92	3.02	5	21	9.67
Green Island ..	8.08	2.48	10	16	8.61	Mochu, St. James ..	10.58	3.78	2	13	..
Haughton Hall ..	6.44	1.30	10	18	..	Bandon Pen ..	..	..	..	..	..
CENTRAL SUB-DIVISION.						Catadupa ..	19.49	7.40	2	19	14.00
Knollis ..	6.63	2.00	27	15	..	Cambridge ..	14.20	2.15	2	19	12.42
Highgate (St. Cath.) ..	6.56	3.14	20	19	..	New Market ..	10.32	2.17	17	16	13.14
Rio Magno ..	6.95	1.56	20	13	..	Springfield ..	9.23	..	..	17	..
Riversdale ..	5.16	1.78	20	8	..	Kew Park ..	10.73	3.15	1	14	12.03
Headworks, R.C.C. ..	10.11	3.16	20	10	9.03	The Bog ..	11.89	2.16	25	19	13.75
Bog Walk ..	7.58	1.35	27	10	..	Bethel Town Dist. ..	12.32	3.40	2	17	16.37
Linstead ..	9.95	2.31	27	17	9.46	Burnt Ground ..	9.74	2.31	2	14	12.28
Ewerton ..	9.98	2.36	20	11	..	Haughton Grove ..	..	..	..	..	11.67
Cave Valley ..	8.01	2.70	1	10	9.81	Darliston ..	17.16	2.86	4	17	14.89
Guanaboa Vale ..	9.36	2.24	27	8	..	Bluefields ..	9.59	2.90	19	15	10.89
Point Hill ..	7.71	2.10	20	16	14.43	Whithorn ..	18.80	4.00	17	16	12.70
Brown's Hall ..	8.88	2.86	20	14	12.12	Water Works Pen ..	12.85	3.62	17	15	11.31
Bellas Gate ..	12.17	2.90	4	14	11.55	Williamsfield, Wld. ..	15.12	2.52	4	17	..
Rock River ..	12.39	3.37	3	13	..	Baulk ..	5.05	0.90	17	14	..
Crofts Hill ..	14.48	4.68	3	16	10.10	Askenish ..	20.98	2.50	9	19	14.36
Far Enough ..	10.67	3.07	11	17	..	Grange Hill ..	10.01	1.95	2	13	12.85
Suttons ..	12.06	2.14	5	15	..	Mount Eagle ..	10.53	1.90	4	19	..
Colonel's Ridge ..	11.68	1.96	18	14	..	King's Vale ..	2.75	0.48	9	14	9.27
Chapelton ..	11.70	2.81	5	17	12.13	SOUTHERN DIVISION (S.)					
Crooked River ..	7.90	1.44	20	15	..	Morant Point L. H. ..	8.25	1.42	20	19	11.35
James Hill ..	6.55	1.47	2	14	..	Golden Grove ..	..	..	..	..	..
Frankfield ..	10.87	2.45	2	14	11.27	Pleasant Hill ..	6.62	1.18	20	23	11.37
WEST-CENTRAL DIVISION (W.C.)						East Prospect ..	8.32	2.01	20	14	11.83
Mochu, Clarendon ..	7.75	1.98	2	13	13.81	Morant Bay ..	10.76	2.77	13	12	12.12
Smithville ..	12.10	3.68	4	13	..	Aeolus Valley ..	3.93	0.97	30	15	..
Clarendon Park ..	..	..	..	..	..	Yallahs ..	2.34	1.37	20	3	..
Porus ..	9.54	2.20	5	12	..	Easington ..	5.48	2.35	20	10	11.41
Borobridge ..	7.41	3.15	1	11	..	Llandewey ..	..	..	..	..	..
Spaldings ..	11.46	2.23	4	11	13.05	Mavis Bank ..	6.83	1.91	20	8	..
Williamsfield ..	8.46	1.25	2	21	..	Bull Bay ..	3.48	1.00	20	7	7.33
Brokenhurst ..	9.87	3.00	4	16	13.95	Dallas Castle ..	9.03	4.26	16	12	..
Shooter's Hill ..	6.42	1.55	21	15	12.08	Gordon Town ..	8.44	2.07	4	10	12.24
Wait-a-bit ..	11.15	2.85	3	14	..	Irish Town ..	7.29	2.50	20	10	10.54
Christiana ..	11.33	2.32	17	16	10.97	Hope Gardens ..	4.68	2.05	20	11	9.68
Holmwood ..	10.00	3.43	17	9	..	Waureka ..	..	..	..	..	..
Clifton Hill ..	..	..	..	..	15.41	Iver ..	10.35	2.88	21	17	..
Kendal, Manchester ..	5.35	1.76	20	14	13.65	Barbican ..	..	..	..	..	..
						Plumb Point L. H. ..	3.72	3.00	20	4	7.15

STATIONS.	October, 1938.					STATIONS.	October, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	3.67	2.84	20	11	8.55	Newport, Man.	10.65	1.92	4	11	11.79
Up-Park Camp	3.54	2.43	20	5		Alligator Pond	6.19	1.24	26	14	7.49
Cavaliers	3.54	2.08	20	7		Fairfield	13.62	2.50	18	20	10.33
St. Georges College	4.58	2.58	20	6		Pepper					
Upper Kingston	3.51	2.31	20	6	6.22	Myersville					
Parade Garden	2.88	1.79	20	3		Goshen					
Kingston P.W.O.	3.26	2.00	20	4	7.10	Southfield, St. Eliz.	6.18	2.12	20	11	8.25
Constant Spring	9.48	2.23	20	14		Munro	8.52	2.97	17	15	
Halfway Tree	4.06	3.06	20	4	8.05	Windsor, St. Eliz.	11.07	1.87	20	18	
Clifton Pen	5.48	4.67	20	7	6.56	Torrington	10.41	2.75	30	13	10.09
Seaward Pen						Santa Cruz	11.64	3.27	3	14	11.93
Red Hills	6.70	1.91	16	15		Hounslow	7.70	3.55	30	9	
Quarantine Station	4.52	2.92	21	11	5.34	Pedro Plains	3.55	1.35	20	8	5.44
Hematine	6.55	1.76	20	12	6.86	Mountainside	8.94	1.71	17	12	7.87
Spanish Town	7.60	2.73	20	10	8.34	Fort Charles	8.09	2.00	30	11	
Hog Hole, St. Cath.	13.09	4.23	20	11	8.94	Black River	4.73	0.95	4	11	8.06
Old Harbour	8.32	3.55	20	12	9.50	Mt. Charles	6.61	1.38	17	13	
May Pen	4.02	1.81	20	17	9.90	Font Hill	5.75	1.15	20	11	8.81
Glen Muir	9.30	4.10	3	9		Mount Edgecombe	9.97	2.20	2	11	9.80
Cottage	7.04	2.26	20	11		Sweet River					9.94
Belle Plain	14.55	3.50	20	10		Sav.-la-Mar	6.90	1.67	17	15	8.87
Milk River	3.40	2.18	20	6	8.20	Little London	7.39	2.34	17	11	10.50
Retrieve	8.95	1.70	18	13	9.44	Retreat	8.96	2.15	17	19	10.10
Stone Hope	7.57	2.40	20	12	12.14	Negril Point L. H.	8.62	1.96	20	15	8.21

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	October.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern ..	9.60	11.72	15	15
Northern ..	9.91	7.57	14	12
West-Central ..	11.76	12.31	15	17
Southern ..	6.92	9.24	11	13
The Island means ..	9.55	10.21	14	14

SHOCKS OF EARTHQUAKE IN OCTOBER, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc..
		None	reported

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—OCTOBER.

The mean rainfall for the Island was below the Average in all Divisions except the Northern.

The heaviest precipitation appears to have taken place in the latter half of the month and particularly on the 20th.

The greatest total fall for the month was 20.98 inches at Askenish in the West-Central Division, and the heaviest fall in 24 hours was 7.40 inches at Catadupa in the same Division on the 2nd.

The mean number of days on which rain fell was 14, which is the average for the month. The greatest number was 24 at Kempshot in the West-Central Division.

The mean rainfall in each parish, compared with the 10-year average, is given below. St. James with 12.27 inches, was highest; Westmoreland, with 10.99 inches, was second; and Trelawny with 10.40 inches, was third. Kingston, with 3.59 inches, was lowest.

Parish.	1938.	10-year Average.	Parish.	1938.	10-year Average.
	Inches.	Inches.		Inches.	Inches.
Kingston	3.59	6.83	St. James	12.27	9.34
St. Andrew	7.94	12.11	Hanover	10.14	11.70
St. Thomas	7.94	14.56	Westmoreland	10.99	12.17
Portland	10.00	13.58	St. Elizabeth	8.91	12.17
St. Mary	9.57	9.17	Manchester	9.39	14.24
St. Ann	8.54	7.68	Clarendon	9.74	12.72
Trelawny	10.40	8.74	St. Catherine	8.54	10.73

CITY OF KINGSTON.

The total rainfall for the month of October 1938, was 3.26 inches; the 60-year normal being 7.10 inches, or less than one-half the normal. There were four days with appreciable rainfall as against the 49-years' average of twelve. The greatest fall in 24 hours was 2.00 inches on the 20th. The upper boundary of Kingston gauged 3.51 inches with six days of rain.

The days upon which distant rain was observed are as follows: to northward fourteen days; to north-east eight; to east one, to southeast two and to southwest and west one day each.

Distant lightning to northward on eight occasions, to northeast, southeast west and northwest once each. Local thunderstorm on the 16th, producing six intense discharges in twelve minutes. Moderate local thunderstorm on the 20th.

The mean barometric pressure was 29.861 shewing 0.005 inch below the 33-year normal 29.866 ins. The highest barometer reading was 29.935 ins. on the 23rd at 7 a.m. and the lowest was 29.760 ins. on the 28th at 7 a.m. Corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 80.4°; the 33-year average being 79.4°, shewing 1° above the average. The highest maximum was 92.9° on the 8th, and the lowest minimum was 69.9° on the 1st, giving an extreme monthly range of 23.0°. On the other hand the lowest maximum was 84.0° on the 20th, and the highest minimum was 76.1° on the 13th. The maximum was above 90° on five days and the minimum was below 70° once. Greatest range of daily temperature was 19.1° on the 8th, and the least range was 9.9° on the 20th.

The mean daily miles of wind registered was 141, the 25-year average being 155, or 9% below the average.

The greatest number of miles recorded in 24 hours was 215 on the 23rd, and the least was 80 on the 17th. The greatest hourly velocity was 30 miles per hour on the 23rd at 1.30 p.m. Southeasterly wind continued after 7 p.m. on four occasions, and throughout the night once.

The mean relative humidity was 80% and the 33-year normal 84%. This 4% deficiency was no doubt due to the shortage of rainfall. The mean 7 a.m. was 86% and the mean 3 p.m. 68%. Lowest 7 a.m. 77% on the 9th, and the lowest 3 p.m. 56% on the 8th.

Overcast conditions prevailed in the forenoon on ten occasions, and in the afternoon on 20.

The total evaporation for October was 3.77 inches; the 10-year normal being 4.05 inches.

The mean daily number of sunshine hours was 7.7.

A dense ground fog spread over an extensive area from the base of the Long Mountain to the eastward, over Liguanea Plain along the Red Hills near to the Spanish Town Road, westward on the 18th October, at about 6 p.m. for about one hour.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—Total rainfall for the month of October was 10.69 inches. Greatest fall in 24 hours was 3.00 inches on the 5th with 11 days of rain.

WEATHER DISTURBANCE.

There was a Radio Broadcast message issued by the U.S.W.B. on the 11th October, stating that squally conditions prevailed over the extreme N.E. Caribbean Sea with some indications of Cyclonic Circulations, but no high winds were reported. Evidently ceased to organise.

On the 13th October the U.S.W. Bureau reported indications of a tropical weather disturbance in the Gulf of Mexico, probably moving NNE or NE, attended by strong winds and squalls up to 48 miles per hour. The centre was located about 275 miles south of New Orleans.

Otherwise, the Caribbean region was quite free of any damaging weather disturbances in October.

(Sgd. J. F. BRENNAN,
Government Meteorologist.

November 20th, 1938.



JAMAICA

WEATHER REPORT.

FOR THE MONTH OF

NOVEMBER, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
		ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.899	29.861	80.3	83.5	86.3	76.8	9.5	89.3	2	71.6	5	17.7
Kingston	24	29.875	29.820	73.4	87.1	88.7	71.8	16.9	92.9	15	69.1	28*	23.8
Negril Point Light House	33	29.888	29.839	73.9	85.3	87.8	70.7	17.1	90.4	1	66.4	24	24.0
Montego Bay†	33	...	...	73.8	82.7	88.6	69.3	19.3	90.5	5*	65.0	28	25.5
Castleton Gardens	496	...	...	70.5	82.2	84.6	69.5	15.1	87.0	4*	61.0	27	26.0
Hope Gardens†	668	29.918	29.823	71.6	85.5	88.6	69.6	19.0	91.0	15	66.0	27*	25.0
Hill Gardens, Blue Mountains	4,900	25.220	25.204	64.8	65.7	67.4	56.0	11.4	69.0	2*	55.0	5*	14.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.					Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.			3 p.m.				7 a.m.		3 p.m.		7 a.m.			3 p.m.		
		ft.	°	%	°	%			ins	Mls.	Dir.	m.p.h.	Dir.	m.p.h.	L.	M.	U.	L.
Morant Point Light House	8	73	79	74	74	3.35	234	NE	14.0	ENE	11.0	2.1	1.8	1.8	1.2	2.4	1.3	
Kingston	24	68	84	72	62	0.52	139	N	5.1	SE	9.0	0.8	1.0	2.8	2.5	2.7	0.7	
Negril Point Light House	33	70	87	73	67	1.46	116	NE	4.0	Var.	6.9	0.6	1.6	3.0	0.0	4.0	2.0	
Montego Bay	33	69	85	77	81	3.81	..	SE	3.0	NE	7.0	..	..	..	..	..	..
Castleton Gardens	496	69	95	76	81	6.57	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	67	85	73	69	1.51	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	62	88	63	89	3.08	..	..	..	..	..	..	..	..	..	..	—

* And on other days. † Hope Gardens—observations made at 9 a.m. and 3 p.m.
 † Montego Bay—observations made at 8 a.m. and 3 p.m.

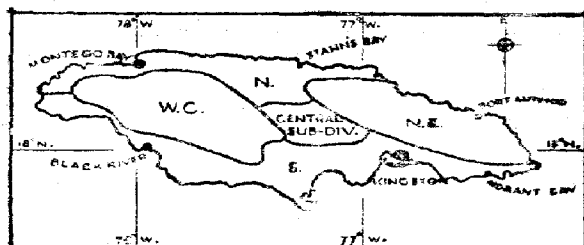
THE RAINFALL.

November, 1938.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



November, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.					
		Amount.	Date.							
NORTH-EASTERN DIVISION (N.E.)						6.77	1.80	1	13	
Manchioneal	3.00	0.56	25	12	14.25	Windsor Castle do.	1.76	0.75	10	4
Priestman's River					11.66	Troja	2.68	1.14	9	4
Bath	3.01	2.40	21	10	14.24	Pear Tree Grove	4.85	1.28	1	12
Barrett's Gap	6.43	1.83	2	10		Guy's Hill	6.77	1.52	28	10.74
Millbank	11.88	2.23	11	15		Lucky Hill	6.81	1.63	1	16
Comfort Castle	14.95	4.00	19	20		Rio Hoe	5.06	1.71	8	10.78
Moore Town	14.30	1.95	3	20	33.29	Unity Valley	2.18	1.34	8	17
Port Antonio	5.40	2.00	23	10	16.98	Moneague	3.59	0.95	12	11.84
Passley Garden	4.63	0.99	2	13		Claremont	4.20	1.38	1	20
Fellowship	8.84	1.70	12	12	25.41	Averham Park	4.86	1.44	12	13.38
Johnson River Br.	2.06	0.71	11	4	8.91	Albion				10.62
Trinity Ville	2.57	1.02	8	8		NORTHERN DIVISION (N).				
Fruitful Vale	2.89	0.84	5	12		Port Maria	7.01	1.95	12	18
Hope Bay	4.26	0.87	2	12		Wentworth	6.81	2.55	12	10
Cedar Valley	1.70	0.52	8	4	12.08	Oracabessa	6.52	1.70	8	13
Moy Hall					17.45	Huddersfield	5.45	1.20	12	7
Paradise	3.41	0.93	5	13		Ocho Rios	5.95	3.00	8	9
Lennox	6.50	1.50	11	14		Rockfield	4.24	1.44	1	14
Greenvale	7.15	1.50	22	18	33.76	Liberty Hill	1.08	0.29	1	9
Darley	5.38	1.43	3	17		St. Ann's Bay	4.38	2.02	1	11
Spring Garden					13.01	Richmond Estate	1.46	0.35	27	7
Hill Gardens	3.08	0.76	4	12	15.57	Runaway Bay	2.91	1.06	27	7
Buff Bay	5.15	1.25	21	9	15.92	Knapdale	5.01	1.12	1	13
Buff Bay R. Est	6.22	1.75	18	14		Alexandria	1.31	1.10	7	3
Belvedere, Portland	7.25	1.33	12	11	15.52	Bel-Air	5.05	1.60	1	9
Windsor Castle, do.	7.11	2.11	21	15	15.45	Brown's Town	2.99	0.72	27	13
Balcarras	7.46	1.45	22	9		Wilton	4.85	1.43	2	12
Mt. Holstein	7.50	2.23	9	12	30.39	Watt Town, St. Ann	3.22	1.16	2	8
Cedar Hurst	3.54	0.86	9	14		Home Castle	3.20	1.15	27	5
Hardware Gap	3.20	1.05	4	12	16.76	Arcadia	3.41	0.95	9	10
						Vale Royal	2.66	0.62	9	11
						Harmony Hall	4.00	2.20	1	8
						Duncans	3.12	1.10	1	7
						Clark's Town	1.09	0.35	27	5
						Falmouth	3.96	2.20	1	6
						The Hague				
						Wales				

STATIONS.	November, 1938.					STATIONS.	November, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.	Ins.	Ins.			Ins.	WEST-CENTRAL DIVISION, contd.	Ins.	Ins.			Ins.
Adelphi ..	2.43	1.22	10	3		Mereworth ..	7.10	1.84	5	12	
Barrett Hall ..					5.22	Mandeville ..	3.69	1.78	6	7	7.05
Success ..					5.71	Ulster Spring ..	2.57	1.30	9	5	7.30
Rose Hall ..					5.56	Greenvale ..	3.49	1.36	4	11	
Cinnamon Hill ..					4.30	Albert Town ..	2.72	1.75	9	4	7.40
Tryall ..					5.21	Craig Head ..	0.00			0	
Running Gut ..					5.74	Warsop ..	2.22	1.15	2	5	
Spring Estate ..					5.97	Troy ..	0.20	0.15	26	2	7.07
Friendship ..	6.47	1.95	10	5	6.54	Wallingford ..	1.41	0.54	6	7	6.87
Retirement ..	6.28	2.33	10	4		Balaclava ..	1.21	0.70	1	3	5.93
Rose Mount ..	4.31	2.31	10	6		Braes River ..					
Montego Bay ..	3.81	1.70	10	6	5.10	Wakefield ..	1.46	0.70	9	6	
Anchovy ..	2.36	1.09	1	4	3.23	Aberdeen ..	5.27	2.00	11	9	
Hopewell ..	1.35	0.50	1	5		Accompong ..					
Blue Hole ..	3.24	1.36	1	4	8.07	Maggotty ..	4.20	1.13	11	9	6.81
Cascade ..	1.71	0.65	19	4		Lacovia ..	1.65	0.85	21	4	
Lucea ..	1.61	0.64	24	6	5.82	Mulgrave ..	3.59	1.15	2	6	
Haughton Court ..					4.58	Holland ..					
Kendal—Hanover ..	0.29	0.15	7	2		Ipswich ..					
Cousins Cove ..	0.86	0.42	6	7		Ginger Hill ..	2.56	1.11	19	7	
Green River ..	1.80	0.98	7	2		Kempshot ..	2.96	0.96	24	9	6.70
Green Island ..	0.64	0.47	10	2	4.62	Mocho, St. James ..	1.78	1.10	23	3	
Haughton Hall ..	0.73	0.35	6	3		Bandon Pen ..					
CENTRAL SUB-DIVISION.						Catadupa ..	0.70	0.40	1	3	8.01
Knollis ..	2.93	2.04	8	3		Cambridge ..	2.36	1.30	4	4	5.53
Highgate (St. Cath.) ..	1.27	0.57	8	9		New Market ..	1.26	0.50	5	5	7.39
Rio Magno ..	2.96	1.25	1	12		Springfield ..	1.93	0.43	3	9	
Riversdale ..	1.24	1.24	2	1		Kew Park ..	2.70	0.95	10	6	5.66
Headworks, R.C.C. ..	1.03	0.56	3	2	5.12	The Bog ..	2.09	0.96	3	8	6.66
Bog Walk ..	2.30	2.10	9	3		Bethel Town Dist. ..	3.94	0.95	10	9	7.50
Linstead ..	2.99	1.36	8	7	6.47	Burnt Ground ..	2.19	1.13	1	5	5.96
Ewarton ..	4.21	1.85	9	4		Haughton Grove ..					5.46
Cave Valley ..	2.50	1.10	4	5	5.30	Darliston ..	2.08	0.69	11	7	7.35
Guanaboa Vale ..	1.34	1.34	9	1		Bluefields ..	4.26	1.33	2	9	6.48
Point Hill ..	3.56	1.10	4	7	10.01	Whithorn ..	1.23	0.50	20	4	6.06
Brown's Hall ..	1.29	0.45	10	7	10.46	Water Works Pen ..	1.78	0.50	8	9	4.90
Bellas Gate ..	1.68	0.87	9	5	3.56	Williamsfield, Wld. ..	1.77	0.77	10	3	
Rock River ..	1.17	0.50	6	4		Baulk ..	2.32	1.11	10	5	
Crofts Hill ..	2.92	1.40	8	7	6.40	Askenish ..	2.07	0.77	11	4	5.04
Far Enough ..	8.58	2.95	1	9		Grange Hill ..	2.23	0.96	7	4	5.66
Suttons ..	2.09	1.50	6	2		Mount Eagle ..	1.67	0.76	10	4	
Colonel's Ridge ..	4.45	1.80	4	5		King's Vale ..	0.19	0.08	27	3	5.0
Chapelton ..	1.90	1.17	6	7	4.83	SOUTHERN DIVISION					
Crooked River ..	1.65	0.65	8	5		(S.)					
James Hill ..	3.84	0.80	7	10		Morant Point L. H. ..	3.35	1.14	30	9	7.97
Frankfield ..	4.17	0.90	8	11	4.39	Golden Grove ..	2.55	1.12	25	10	
WEST-CENTRAL DIVISION (W.C.)						Pleasant Hill ..	2.07	0.53	25	14	8.87
Mocho, Clarendon ..	3.40	1.05	4	8	5.67	East Prospect ..	1.91	0.73	10	8	10.31
Smithville ..	2.70	0.69	4	10		Morant Bay ..	1.32	0.75	10	4	7.22
Clarendon Park ..	3.45	1.35	3	7		Aeolus Valley ..	1.49	0.36	7	7	
Porus ..	2.89	0.50	5	8		Yallahs ..	1.00	1.00	11	1	
Borobridge ..	3.75	1.30	4	6		Easington ..	2.03	0.77	8	6	5.38
Spaldings ..	3.75	1.03	6	8	4.88	Llandewey ..					
Williamsfield ..	2.62	0.70	6	13		Mavis Bank ..					
Brokenhurst ..	2.49	1.67	10	5	7.29	Bull Bay ..	2.80	0.86	7	4	3.10
Shooter's Hill ..	2.86	0.75	5	6	6.74	Dallas Castle ..	1.61	0.91	7	8	
Wait-a-bit ..	2.09	0.63	4	5		Gordon Town ..	1.63	1.00	4	4	9.01
Christiana ..	2.46	0.75	30	8	6.35	Irish Town ..	0.95	0.24	22	9	8.98
Holmwood ..	2.13	0.70	29	4		Hope Gardens ..	1.51	0.56	7	7	5.80
Clifton Hill ..	3.15	2.50	8	2	5.44	Waireka ..					
Kendal, Manchester ..	3.01	0.90	6	8	6.41	Iver ..	0.97	0.35	9	11	
						Barbican ..					
						Gumb Point L. H. ..	1.70	0.75	7	3	2.45

STATIONS.	November, 1938.					STATIONS.	November, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	2.13	1.15	5	5	4.75	Newport, Man.	3.15	1.20	10	4	6.73
Up-Park Camp	1.82	0.72	5	4		Alligator Pond	2.15	0.40	15	5	3.55
Cavaliers	2.00	1.14	5	5		Fairfield	2.87	1.56	9	11	6.59
St. Georges College	1.63	1.30	5	3		Pepper					
Upper Kingston	1.14	0.80	6	5	2.52	Myersville					
Parade Garden	0.62	0.37	5	5		Goshen	1.79	0.76	21	6	
Kingston P.W.O.	0.52	0.35	5	4	2.92	Southfield, St. Eliz.	1.44	0.72	10	8	4.69
Constant Spring	1.28	0.53	5	7		Munro	2.17	0.62	6	12	
Halfway Tree	3.44	1.64	22	5	4.05	Windsor, St. Eliz.	3.48	0.85	10	12	
Clifton Pen	1.67	1.02	22	4	4.82	Torrington	2.33	0.86	21	6	6.57
Seaward Pen	3.62	1.40	3	4		Santa Cruz	2.05	0.79	21	10	6.09
Red Hills	4.19	3.50	8	7		Hounslow	1.05	0.40	21	3	
Quarantine Station	1.23	0.50	8	5	2.56	Pedro Plains	3.30	2.58	22	5	3.85
Hematine	2.89	0.97	22	7	3.67	Mountainside					5.88
Spanish Town	2.63	0.80	3	8	3.80	Fort Charles	0.88	0.48	23	2	
Hog Hole, St. Cath.	1.11	0.62	1	4	4.60	Black River	1.20	0.41	6	7	4.36
Old Harbour	2.77	1.20	6	6	4.67	Mt. Charles	2.05	0.63	10	8	
May Pen	0.94	0.42	6	6	4.60	Font Hill					4.82
Glen Muir	0.90	0.90	6	1		Mount Edgecombe	4.24	1.44	21	9	4.92
Cottage	4.73	1.45	23	9		Sweet River					3.82
Belle Plain	3.06	1.34	10	6		Sav.-la-Mar	1.32	0.57	10	6	3.67
Milk River	1.11	0.90	10	3	5.12	Little London	3.16	1.20	10	5	3.98
Retrieve	2.34	1.22	10	5	5.22	Retreat	4.51	1.24	10	8	4.60
Stone's Hope	1.62	1.00	10	5	5.58	Negril Point L. H.	1.46	0.32	7	9	3.83

NOTES

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	November.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern ..	4.93	15.52	11	16
Northern ..	3.24	6.42	7	11
West-Central ..	2.38	6.21	6	11
Southern ..	2.11	5.01	6	9
The Island means ..	3.17	8.29	8	12

SHOCKS OF EARTHQUAKE IN NOVEMBER, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
	None	reported	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—NOVEMBER.

The Mean Rainfall for the Island was very deficient in all Divisions, being only a little over one third of the Normal.

The greatest total fall for the month was 14.95 inches at Comfort Castle in the North-Eastern Division, and the heaviest fall in 24 hours was 4.00 inches at the same Station on the 19th.

The mean number of days on which rain fell was 8, the average for the month being 12. The greatest number was 20 at Comfort Castle, Moore Town and Averham Park, all in the North-Eastern Division.

The mean rainfall in each parish is given below, compared with the 10 Year Average. Portland, with 7.63 inches, was highest: St. Mary, with 5.71 inches, was second: and St. Ann, with 3.92 inches, was third. Kingston, with 1.12 inches, was lowest.

Parish.	1938 Inches.	10 Year Average. Inches.	Parish.	1938. Inches.	10 Year Average. Inches.
Kingston ..	1.12	3.10	St. James .	3.35	7.31
St. Andrew ...	2.36	11.56	Henover .	1.39	6.60
St. Thomas ..	2.42	9.68	Westmoreland..	2.55	5.32
Portland ..	7.63	26.04	St. Elizabeth .	2.25	5.68
St. Mary ..	5.71	14.21	Manchester .	2.82	6.11
St. Ann ..	3.92	10.07	Clarendon ..	3.07	5.26
Trelawny ..	2.46	7.73	St. Catherine	2.41	7.58

CITY OF KINGSTON.

The total rainfall for November, 1938, was only 0.52 of an inch, as compared to the 60-year normal of 2.92 inches, representing nearly one-sixth of the normal. There were four days with appreciable rain as against the 49-year average of eight. The greatest fall in 24 hours was 0.35 of an inch on the 5th. The upper boundary of Kingston gauged 1.14 of an inch with five days giving small precipitation.

The days upon which distant rain was observed are as follows:—

To northward on five, to northeastward on four, to east and westward one day each.

Distant thunderstorm to northward once.

The mean barometric pressure was 29.859 inches; the 33-year normal being 29.892 inches, or 0.033 of an inch below the normal. The highest barometer reading was 29.947 inches on the 29th at 7 a.m., and the lowest was 29.705 inches on the 7th at 7 a.m. at the time of a weather disturbance moving between Haiti and Cuba. Pressure continued low until the 14th.

The mean monthly temperature, based upon four observations per day was 79.7° or 1.4° above the 33-year average of 78.3°. The highest maximum was 92.9° on the 15th and the lowest minimum was 69.1° on the 28th and 30th, giving an extreme monthly range of 23.8°; on the other hand the lowest maximum was 82.7° on the 11th and the highest minimum 74.6° on the 1st. The maximum was 90° and above on six occasions and the minimum was below 70° four times. The greatest daily range was 21.6° on the 15th, and the least was 10.0° on the 11th.

The mean daily miles of wind registered was 139, and the 25-year average 141. The greatest number of miles recorded in 24 hours was 215 on the 10th and the least was 98 on the 7th. The highest hourly velocity was 24 miles per hour on the 10th at about 2.45 p.m. On no occasion did a SE wind appear before 7 a.m. Fresh "Northers" of short duration on the 1st, 12th 17th 19th and 28th.

The mean relative humidity was 76%; the 33 year normal being 82%. Mean 7 a.m. 84% and mean 3 p.m. 62%. The lowest 7 a.m. was 71% on 27th and the lowest 3 p.m. was 44% on the 13th.

Overcast conditions prevailed twelve times in the forenoon and thirteen times in the afternoon.

The mean daily number of sunshine hours was 8.1

WEATHER DISTURBANCE.

The United States Weather Bureau on the 7th November reported the existence of a slight weather disturbance between Cuba and Haiti, apparently centred at 7 a.m. over the Windward passage increasing slowly in intensity and moving on a track very slowly, probably to NNW, attended by 35 to 45 miles per hour squalls over a considerable area. It continued on a course approximately six miles to the east of Long Island in the Bahamas Group or about 250 miles S.E. of Nassau, Bahamas further movement towards the north; no subsequent reports broadcast.

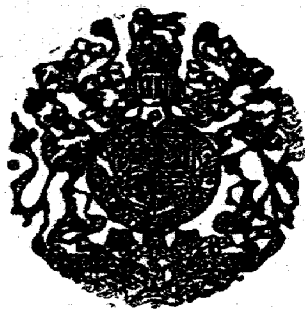
CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman,—Total rainfall for the month of November was 8.99 inches. Greatest fall in 24 hours was 2.30 inches on the 29th with 11 days of rain.

J. F. BRENNAN,
Government Meteorologist.

Kingston.

20th December, 1938.



JAMAICA WEATHER REPORT.

FOR THE MONTH OF

DECEMBER, 1938.

The barometric pressures at all the Stations, except the Hill Gardens, are reduced to the standards of Kew 32°, gravity at Lat. 45° and mean sea-level. The bar. at Hill Gardens is reduced to the first two standards only. Thermometers are exposed in Stevenson's Screen; their readings have been corrected for instrumental errors.

The miles of Wind per diem are measured by Robinson's Anemometers, the factor 3 being assumed correct for the four cup instruments used and for the small velocities measured.

The amount of Cloud is given in tenths of the whole sky; the Lower (L) clouds are for the most part fracto-stratus; the Middle (M) cloud cumulus and the Upper (U) clouds, cirrus and cirro-stratus.

The rainfall is measured at 7 a.m., and entered as having fallen on the previous day.

The 75th Meridian Time West of Greenwich adopted from 1st February, 1912.

METEOROLOGICAL RESULTS.

STATIONS.	Elevation.	Bar. Pressure		Temperature. (F.)					Extreme Temperature (F.)				
		7 a.m.	3 p.m.	7 a.m.	3 p.m.	Max.	Min.	Range.	Max.	Date.	Min.	Date.	Range.
	ft.	ins.	ins.	°	°	°	°	°	°	°	°	°	°
Morant Point Light House	8	29.960	29.929	77.9	81.7	83.5	74.9	8.6	87.8	7	65.3	17	22.5
Kingston	24	29.933	29.877	71.1	85.6	87.4	69.5	17.9	90.9	31	65.7	18	25.2
Negril Point Light House	33	29.950	29.902	73.0	83.4	85.9	70.4	15.5	89.9	28	66.0	28*	23.9
Montego Bay †	33	..	..	71.0	83.9	85.6	66.7	18.9	89.1	26*	62.0	31	27.1
Castleton Gardens	496	..	..	68.3	78.1	80.5	67.3	13.2	84.0	5*	60.0	19	24.0
Hope Gardens†	668	29.983	29.892	69.5	81.5	86.8	66.9	19.9	89.0	1*	65.0	20*	24.0
Hill Gardens, Blue Mountains	4,900	25.231	25.218	62.3	63.9	65.0	53.7	11.3	67.0	9*	49.0	20	18.0

STATIONS.	Elevation.	Dewpoint and Rel. Humidity.				Rainfall.	Wind per diem.	Wind: direction from and miles per hour.				Amount of Cloud. Lower, Middle and Upper.					
		7 a.m.		3 p.m.				7 a.m.		3 p.m.		7 a.m.		3 p.m.			
	ft.	°	%	°	%	ins.	Mis.	Dir.	m.p.h.	Dir.	m.p.h.	L	M.	U.	L.	M.	U.
Morant Point Light House	8	71	78	71	71	1.42	315	NNE	18.0	NNE	14.0	3.7	1.6	0.3	0.4	3.4	0.4
Kingston	24	65	80	69	58	0.10	156	N	5.5	SSE	9.9	0.6	0.9	0.8	2.0	3.0	0.0
Negril Point Light House	33	67	80	67	59	0.23	174	NE	6.0	var.	11.0	1.4	0.7	0.3	1.4	2.8	0.2
Montego Bay	33	67	87	75	73	1.70	..	E	5.0	NE	10.0	..	..	..	..	..	..
Castleton Gardens	496	66	95	73	86	11.34	..	..	..	..	..	..	..	..	..	..	..
Hope Gardens	668	63	82	70	69	1.23	..	..	..	..	..	..	..	..	..	..	..
Hill Gardens, Blue Mtns.	4,900	59	88	60	88	5.63	..	..	..	..	..	..	..	..	..	..	..

* And on other days.

† Hope Gardens—observations made at 9 a.m. and 3 p.m.

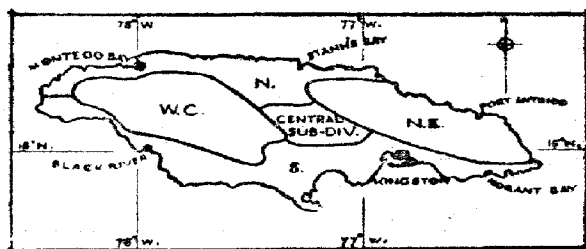
† Montego Bay—observations made at 8 a.m. and 3 p.m.

THE RAINFALL.

The first four columns contain all the information relating to the Rainfall for the month received for publication up to the time of sending this report to press; the last columns contain the corresponding Rainfall average for the month according to "The Rainfall of Jamaica from about 1870 to the end of 1929." In obtaining the mean rainfall for the month only those stations are considered for which the average Rainfall has been also given in the last columns that the results derived from these two columns are comparable for each Division. These results are given in the comparative table at the end of this Rainfall Return so as to arrive at the mean for the whole Island, embracing the four Divisions.

The Northern Division comprises the northern shore from Port Maria to Davis' Cove, including the central part of the Island which forms the Central Sub-division; the Southern Division comprises the southern shores from Holland Bay to South Negril; the North-Eastern and West-Central Divisions are the remaining parts of the Island bounded by the sea and the other Divisions.

A Map showing these Rainfall Divisions is published in Mr. Maxwell Hall's "Rainfall of Jamaica," following page 27, 1911 Edition, and of page 33 of 1934 Edition, an outline of which is given below.



December, 1938.

STATIONS.	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.		
NORTH-EASTERN DIVISION (N.E.)	Ins.	Ins.			Ins.
Manchioneal	4.48	1.55	1	15	7.25
Priestman's River	4.86	2.75	2	9	5.59
Bath	4.49	1.75	4	8	8.68
Barrett's Gap	14.44	2.10	11	7	
Millbank	17.80	2.95	4	14	
Comfort Castle	21.19	3.75	22	20	
Moore Town	16.50	3.00	11	20	23.75
Port Antonio	10.93	7.15	4	8	12.43
Passley Garden	7.75	4.99	5	12	
Fellowship	10.97	3.55	4	14	18.25
Johnson River Br.	1.81	0.71	7	4	4.73
Trinity Ville					
Fruitful Vale	12.91	3.00	4	11	
Hope Bay	9.93	4.25	4	8	
Cedar Valley	2.05	0.73	4	7	4.29
Moy Hall					5.56
Paradise	5.10	1.94	4	14	
Lennox	7.51	4.50	4	14	
Greenvale	12.08	2.49	4	16	22.57
Darley	10.42	6.65	4	18	
Spring Garden					8.06
Hill Gardens	5.63	4.00	4	8	9.68
Buff Bay	5.90	2.60	4	8	11.80
Buff Bay R. Est.	11.94	2.80	4	16	
Belvedere, Portland	9.27	2.30	4	15	13.85
Windsor Castle, do.	8.16	4.00	4	16	11.68
Balcarres	20.45	4.70	4	17	
Mt. Holstein	13.48	6.21	12	10	19.56
Cedar Hurst	7.86	3.03	3	17	
Hardware Gap	5.25	1.48	3	14	6.29

STATIONS.	December, 1938.				
	Total Fall.	Greatest fall in 24 hours.	Days on which 0.01 or more fell.	Average.	
	Ins.	Ins.			
NORTH-EASTERN DIVISION, contd.					
Rose Hill	3.17	1.68	4	5	5.06
Mount Cressy	15.19	4.25	3		
Hermitage	1.62	0.50	3	9	
Mount Airy	11.22	2.40	3	13	
Stony Hill Ind. Sch.	1.58	0.45	3	11	3.81
Boon Hall	1.95	0.67	3	11	
Brandon Hill	6.76	2.33	4	12	
Enfield	10.91	3.06	4	14	
Agualta Vale	6.92	3.37	5	12	9.48
Castleton Gardens	11.34	2.50	2	19	12.78
Water Valley	6.66	4.00	4	9	9.46
Albany	5.48	1.80	5	15	9.41
Lawrence Tavern	1.96	0.47	3	7	4.36
Wey Hill	4.16	0.60	4	15	
Richmond, St. Mary	6.31	2.30	4	16	9.83
Quebec, St. Mary	4.75	2.50	4	9	9.47
Above Rocks	3.08	1.66	7	8	
Glengoffe	2.55	0.80	3	7	
Carew Castle	2.39	1.14	7	8	4.70
Hampstead, St. Mary	7.32	3.70	4	17	11.86
Windsor Castle do.	10.32	2.86	3	21	
Troja	4.64	2.00	4	7	
Pear Tree Grove	5.15	2.98	4	5	
Guy's Hill	5.54	2.05	4	18	7.42
Lucky Hill	7.08	2.81	4	20	10.23
Rio Hoe	5.99	2.70	3	9	8.45
Unity Valley	6.90	2.08	4	19	7.25
Moneague	4.54	1.67	4	18	7.25
Claremont	7.54	3.00	4	10	7.78
Averham Park	11.56	4.00	4	24	10.25
Albion	6.07	2.00	4	13	7.86
NORTHERN DIVISION (N.)					
Port Maria	4.74	2.35	4	12	7.05
Wentworth	4.37	2.65	4	9	
Oracabessa	3.29	1.40	4	8	
Huddersfield	3.43	1.10	5	7	
Ocho Rios	4.64	1.24	4	9	6.62
Rockfield	5.75	1.48	3	19	9.39
Liberty Hill	1.45	0.33	3	13	7.86
St. Ann's Bay	3.15	0.84	4	18	7.25
Richmond Estate	2.72	0.49	5	12	7.92
Runaway Bay	3.67	0.66	4	10	3.39
Knapdale	6.48	1.42	4	13	
Alexandria	4.43	1.60	4	7	2.67
Bel-Air	6.40	1.20	3	16	
Brown's Town	5.62	1.12	3	21	8.42
Wilton	5.62	1.52	15	20	
Watt Town, St. Ann	2.01	1.05	5	4	2.06
Home Castle	6.90	2.25	15	11	7.53
Arcadia	6.27	2.73	15	15	6.65
Vale Royal	4.34	1.38	15	16	7.38
Harmony Hall	2.27	0.70	7	10	5.85
Duncans	2.17	0.78	3	7	
Clark's Town	4.02	0.72	10	9	
Falmouth	1.55	0.60	3	8	4.53
The Hague					
Wales					

STATIONS.	December, 1938.					STATIONS.	December, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
NORTHERN DIVISION, contd.	Ins.	Ins.			Ins.	WEST-CENTRAL DIVISION, contd.	Ins.	Ins.			Ins.
Adelphi ..	4.34	1.02	3	8	..	Mereworth ..	1.20	0.60	6	9	..
Barrett Hall ..	0.98	0.83	3	2	..	Mandeville ..	..	..	..	..	2.95
Success ..	0.97	0.40	3	5	3.95	Ulster Spring ..	3.61	1.04	5	7	4.08
Rose Hall ..	1.12	0.35	3	6	4.64	Greenvale ..	2.63	1.80	5	6	..
Cinnamon Hill ..	1.50	0.50	18	5	4.66	Albert Town ..	3.01	1.70	3	3	3.71
Tryall ..	1.60	0.43	18	10	3.28	Craig Head ..	1.64	1.64	5	1	..
Running Gut ..	0.88	0.27	27	5	4.73	Warsop ..	3.60	1.50	11	4	..
Spring Estate ..	2.08	0.80	5	8	4.51	Troy ..	1.90	0.90	9	4	3.05
Friendship ..	..	..	..	..	2.88	Wallingford ..	0.41	0.28	5	3	2.26
Retirement ..	3.58	1.33	8	10	2.94	Balaclava ..	0.64	0.31	5	5	2.16
Rose Mount ..	2.56	1.16	8	10	..	Braes River ..	..	..	..	..	..
Montego Bay ..	1.70	0.57	8	7	4.26	Wakefield ..	2.40	0.85	3	8	..
Anchovy ..	3.01	0.61	14	12	2.85	Aberdeen ..	1.09	0.45	5	4	..
Hopewell ..	3.57	1.20	7	8	..	Accompong ..	1.80	1.80	1	1	..
Blue Hole ..	1.43	0.72	9	5	2.32	Maggotty ..	1.42	0.95	6	4	2.88
Cascade ..	0.87	0.62	5	3	..	Lacovia ..	0.08	0.08	27	1	..
Lucea ..	1.60	0.98	10	5	33.7	Mulgrave ..	1.55	0.80	5	4	..
Houghton Court ..	..	..	..	..	3.17	Holland ..	..	..	..	..	..
Kendal—Hanover ..	0.60	0.40	10	2	..	Ipswich ..	..	..	..	..	..
Cousins Cove ..	1.45	0.64	10	10	..	Ginger Hill ..	2.21	1.84	5	4	..
Green River ..	0.99	0.52	10	3	..	Kempshot ..	4.03	0.89	5	10	5.03
Green Island ..	1.22	1.07	10	2	2.14	Mocho, St. James ..	..	..	..	..	..
Houghton Hall ..	1.12	0.62	10	4	..	Bandon Pen ..	..	..	..	..	..
CENTRAL SUB-DIVISION.	..	..	..	..	..	Catadupa ..	0.88	0.50	5	3	2.88
Knollis ..	0.33	0.19	8	2	..	Cambridge ..	1.23	0.76	5	3	2.26
Highgate (St. Cath.) ..	1.40	0.28	3	10	..	New Market ..	1.90	1.07	9	4	2.01
Rio Magno ..	4.57	1.25	11	12	..	Springfield ..	..	..	..	..	..
Riversdale ..	1.00	0.50	5	2	..	Kew Park ..	0.35	0.18	3	3	2.56
Headworks, R.C.C. ..	0.74	0.63	15	2	2.00	The Bog ..	1.31	0.60	9	6	2.79
Bog Walk ..	0.00	..	..	0	..	Bethel Town Dist. ..	1.13	0.45	8	10	2.19
Linstead ..	1.62	0.74	5	5	3.37	Burnt Ground ..	1.82	1.27	8	3	2.99
Ewerton ..	0.90	0.50	5	2	..	Haughton Grove ..	..	..	..	..	2.95
Cave Valley ..	1.40	0.85	5	3	3.05	Darliston ..	1.47	1.43	9	2	2.96
Guanaboa Vale ..	0.80	0.80	15	1	..	Bluefields ..	0.58	0.20	27	4	2.67
Point Hill ..	1.40	0.49	5	8	4.43	Whithorn ..	..	..	..	..	2.49
Brown's Hall ..	0.70	0.45	15	2	3.31	Water Works Pen ..	0.31	0.15	3	3	2.21
Bellas Gate ..	0.60	0.21	15	4	0.98	Williamsfield, Wld. ..	..	..	..	..	..
Rock River ..	0.00	..	..	0	..	Baulk ..	0.15	0.15	5	1	..
Crofts Hill ..	1.06	0.44	15	5	2.16	Askenish ..	2.42	1.56	10	5	2.33

STATIONS.	December, 1938.					STATIONS.	December, 1938.				
	Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.		Total Fall.	Greatest fall in 24 hours.		Days on which 0.01 or more fell.	Average.
		Amount.	Date.					Amount.	Date.		
SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.	SOUTHERN DIVISION, contd.	Ins.	Ins.			Ins.
King's House Gar.	0.55	0.30	8	5	1.91	Newport, Man.	0.61	0.61	6	1	3.02
Up-Park Camp	0.75	0.48	8	5		Alligator Pond	0.80	0.63	6	4	1.97
Cavaliers	0.82	0.33	8	6		Fairfield	1.79	0.70	1	9	2.43
St. Georges College	0.37	0.32	8	2		Pepper					
Upper Kingston	0.42	0.28	8	5	0.73	Myersville					
Parade Garden	0.23	0.17	8	2		Goshen					
Kingston P.W.O.	0.10	0.07	8	3	1.41	Southfield, St. Eliz.	0.97	0.41	1	5	1.61
Constant Spring	0.91	0.32	5	7		Munro	1.40	0.49	1	9	
Halfway Tree	0.54	0.37	8	3	1.70	Windsor, St. Eliz.	2.52	1.19	9	6	
Clifton Pen	0.11	0.06	6	3	1.10	Torrington	2.42	1.20	9	5	2.42
Seaward Pen	0.85	0.30	12	3		Santa Cruz	3.98	1.70	5	5	2.60
Red Hills	0.96	0.24	4	7		Hounslow	1.00	0.45	9	3	
Quarantine Station	0.31	0.21	14	4	0.79	Pedro Plains	0.44	0.26	10	3	1.44
Hematine	0.13	0.10	3	2	1.34	Mountainside	1.39	0.92	9	4	1.29
Spanish Town	0.21	0.11	3	2	1.79	Fort Charles	0.30	0.30	3	1	
Hog Hole, St. Cath.	0.38	0.26	15	2	1.98	Black River	1.87	1.50	9	3	2.22
Old Harbour	0.14	0.09	3	2	2.33	Mt. Charles	0.15	0.05	6	4	
May Pen	0.50	0.48	6	2	2.00	Font Hill	0.00			0	1.99
Glen Muir						Mount Edgecombe	0.00			0	2.36
Cottage	0.21	0.13	7	2		Sweet River					2.22
Belle Plain	2.73	2.05	13	4		Sav.-la-Mar	0.04	0.04	3	1	1.96
Milk River	1.39	0.50	13	4	1.82	Little London	0.00			0	2.17
Retrieve	0.48	0.30	14	2	1.25	Retreat	0.05	0.03	18	2	2.21
Stone's Hope	1.75	0.66	5	6	2.45	Negril Point L. H.	0.23	0.10	6	4	1.97

NOTES.

COMPARATIVE TABLE OF RAINFALL
AND DAYS ON WHICH RAIN FELL.

DIVISIONAL AND ISLAND RAINFALL.	December.			
	Rainfall.		Days on which Rain fell.	
	1938.	Ave.	1938.	Ave.
North-Eastern ..	6.73	10.32	12	14
Northern ..	2.50	5.03	7	9
West-Central ..	1.62	3.26	4	7
Southern ..	0.95	2.19	4	6
The Island means ..	2.95	5.20	7	9

SHOCKS OF EARTHQUAKE IN DECEMBER, 1938.

Date.	Standard Time. (Approx.)	Intensity.	Notes, where, etc.
		None reported	

N.B.—IT IS PARTICULARLY REQUESTED THAT ALL RAINFALL POST CARDS BE SENT IN NOT LATER THAN THE 5TH OF EACH MONTH.

THE ISLAND—DECEMBER.

The mean rainfall was much below the average in all Divisions.

The greatest total fall for the month was 21.19 inches at Comfort Castle in the North-Eastern Division and the heaviest fall in 24 hours was 7.15 inches at Port Antonio, in the same Division, on the 4th.

No rain fell at Bog Walk, Rock River, Suttons, Font Hill, Mount Edgecombe and Little London.

The mean number of days on which rain fell was 7, the average for the month being 9. Averham Park, in the North-Eastern Division, with 24, had most.

The mean rainfall in each parish is given below, compared with the 10-year average. Portland, with 10.93 inches, was highest; St. Mary, with 6.47, inches, was second; and St. Ann, with 5.14 inches, was third; Kingston, with 0.31 inch, was lowest.

Parish	1938. Inches.	10-year Average. Inches.	Parish.	1938. Inches.	10-year Average. Inches.
Kingston	0.31	0.82	St. James	2.02	2.85
St. Andrew	2.84	3.40	Hanover	1.44	2.55
St. Thomas	3.29	4.31	Westmoreland	0.45	1.90
Portland	10.93	14.43	St. Elizabeth	1.31	1.70
St. Mary	6.47	8.97	Manchester	1.62	1.84
St. Ann	5.14	6.14	Clarendon	1.01	1.54
Trelawny	3.29	3.25	St. Catherine	1.61	2.98

THE YEAR 1938.

Comparative Table (A) gives the mean monthly rainfall in each Division, with the respective totals, compared with the 60-year average, and shows a deficit of 13.87 inches.

The total fall for the year—60.00 inches—is the lowest since 1923.

The mean number of days on which rain fell is also given, compared with the 36-year average, and shows a deficit of 7.

The mean rainfall per day on which rain fell was 0.52 inch.

In the first half of the year the rainfall was 19% below, and in the second half it was 12% below the average.

Table B gives the mean monthly rainfall in the 14 parishes, with the respective totals, compared with the 10-year average. Portland with 111.97 inches had the highest total for the year; Westmoreland with 81.08 inches was next; and St. Mary with 68.42 inches was third. Kingston, with 25.13 inches was lowest. It will be observed that the mean rainfall in all the parishes was below the average.

The differences that will be observed between Tables A and B, as regards both the total for the year and that for each month, are due to the former being based only on Stations with an average, while the latter includes all Stations.

CITY OF KINGSTON.

The total rainfall for the month of December 1938 was 0.10 of an inch; the 60 year normal being 1.41 of an inch. Greatest fall in 24 hours 0.07 inch on the 8th. There were three days of appreciable rain. Rainfall very deficient; merely 7% of the average. The upper boundary of Kingston gauged 0.42 of an inch with five days of rain.

The days upon which distant rain was observed are as follows:—

To northward on six, to north-eastward on seven, to east ward and north-westward one day each.

Distant thunderstorm to northwest on the 15th.

The mean barometric pressure was 29.919 inches, shewing 0.022 inch below the normal of 29.941 inches. The highest barometer reading was 30.018 inches on the 31st at 7 a.m. and the lowest was 29.806 inches on the 16th at 7 a.m. corrected for diurnal variation.

The mean monthly temperature, based upon four observations per day, was 77.9° or 1.1° above the normal of 76.8°. Highest maximum was 90.9° on the 31st and lowest minimum 65.7° on the 18th giving an extreme monthly range of 25.2°. On the other hand the lowest maximum was 80.4° on the 8th, and the highest minimum 73.5° on the 27th. The maximum was above 90° on three days, and the minimum was above 70° on fourteen days. The greatest daily range was 24.5° on the 31st and the least range was 9.1° on the 8th.

The mean daily miles of wind, registered was 156 as against the 25-year average of 146, shewing about 7% above the average. The greatest number of miles in 24 hours was 272 on the 17th and the least was 110 on the 11th and 23rd. Highest hourly velocity 24 miles per hour on the 26th at 2.30 p.m.

Fresh "Norther" of short duration recorded from the 16th to 24th.

The mean relative humidity was 72% owing to deficient rainfall; the 33-year normal being 80%, shewing 8% below the average. The mean 7 a.m. was 80% and mean 3 p.m. 58%. Lowest 7 a.m. 67% on the 16th, and lowest 3 p.m. 42% on the 17th.

Overcast conditions prevailed in the forenoon on six occasions and in the afternoon on thirteen.

Total evaporation for December, 1938, 4.21 inches, the 10-year normal being 4.37 inches.

Mean daily number of sunshine hours was 7.5

FOR THE YEAR 1938.

The total rainfall for the year 1938, as registered at the Public Works Buildings, Port Royal Street, Kingston, was only 20.94 inches, the 60-year normal being 31.56 inches, shewing a deficiency of 10.62 inches. The month of August recorded the greatest, with 6.23 inches., and January the least with only

0.05 of an inch. The total number of days with appreciable rain was 59 as against the 49-year average of 79. The greatest number of rainy days in one month was ten in August, and the least was three in January and December.

Mean barometric pressure for year 1938 was 29.934 inches and the 33-year normal is 29.932 inches.

Mean temperature for the year was 78.8° as against the 33-year normal of 78.7°; a difference of 0.1°.

The mean amount of cloudiness for the year was 48% as against the normal of 53%.

Mean relative humidity 75%, the 33-year average being 79%.

Average daily wind 179 miles; normal 183. (See Table C.)

SUMMARY OF EXTREMES FOR THE YEAR 1938.

Table (D) giving the extreme values of certain observations is appended. January gave the highest barometer reading of 30.131 inches on the 28th, and November the lowest, with 29.705 inches on the 7th. The maximum temperature rose to 90° or above as follows:—

May one day, June six, July and August ten, September three, October five, November six and December three days. Then the minimum temperature was below 70° for 24 days in January, 26 days in February, 27 in March, 20 in April, two in May, June to September nil, and December 17. For the 12 months there were 122 days on which the minimum read below 70°, and 44 days the maximum recorded above 90°.

The maximum number of miles of wind registered in 24 hours was 394 on August 24th due to weather disturbance in the vicinity of Jamaica, and the minimum was 80 miles on October 17th. The greatest rate of hourly velocity during short intervals of time was 36 miles per hour on 14th March, 9th June and 14th July.

The monthly lowest 7 a.m. relative humidity was 61% on 22nd January, and the lowest 3 p.m. was 41% on 8th. March followed by 42% on 17th December.

During the year the greatest rainfall in 24 hours was 2.74 inches on 11th August.

CAYMAN ISLANDS.

Government House, Georgetown, Grand Cayman.—The total rainfall for the month of December was 1.59 inch. Greatest fall in 24 hours was 0.57 inch on the 9th with 7 rainy days.

CORRIGENDUM.

Weather Report, October, 1938.—No. 743 to read 749.

J. F. BRENNAN,
Government Meteorologist.

Kingston,
January 20th, 1939.

TABLE (A)—THE ISLAND RAINFALL 1938 (In Inches.)

Month	Divisions.				The Island.		Days on which rain fell.	
	N.E.	N.	W.C.	S.	1938.	Average for 60 years.	Means for 1938.	Average for 35 years.
January ..	5.70	3.09	1.79	0.74	2.83	4.00	7	8
February ..	6.84	1.43	1.83	1.39	2.87	3.13	8	7
March ..	2.58	1.06	3.33	1.87	2.21	3.35	7	8
April ..	3.77	1.23	8.00	4.88	4.47	4.77	9	9
May ..	6.46	2.63	8.52	3.15	5.19	8.77	10	12
June ..	4.16	2.64	7.09	2.71	4.15	6.53	9	10
July ..	5.21	4.20	7.79	3.36	5.14	4.75	11	9
August ..	10.69	6.62	10.57	7.57	8.86	6.93	13	11
September ..	10.52	5.57	11.09	7.27	8.61	7.94	12	13
October ..	9.60	9.91	11.76	6.92	9.55	10.21	14	14
November ..	4.93	3.24	2.38	2.11	3.17	8.29	8	12
December ..	6.73	2.50	1.62	0.95	2.95	5.20	7	9
Total 1938 ..	77.19	44.12	75.77	42.92	60.00	..	115	..
Total 60-year Average ..	99.54	56.68	87.84	51.42	..	73.67	..	122

TABLE (B).—MEAN RAINFALL IN INCHES FOR EACH PARISH FOR THE YEAR 1938.

Parish.	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.	10-year Average.
Kingston	0.16	0.21	1.08	0.42	1.11	2.60	0.90	6.42	7.21	3.59	1.12	0.31	25.13	30.46
St. Andrew	2.17	2.40	1.29	3.46	5.09	2.34	3.31	9.54	10.34	7.94	2.36	2.84	53.08	68.47
St. Thomas	1.70	2.10	1.36	3.07	2.22	4.46	6.22	8.89	15.52	7.94	2.42	3.29	59.19	79.95
Portland	10.00	12.72	3.68	5.91	7.04	7.80	7.86	14.00	14.40	10.00	7.63	10.93	111.97	136.13
St. Mary	6.34	6.21	3.57	2.50	5.99	1.71	4.09	9.78	6.48	9.57	5.71	6.47	68.42	83.72
St. Ann	6.23	3.46	1.10	1.73	3.72	1.11	3.07	7.26	4.23	8.54	3.92	5.14	49.51	65.76
Trelawny	5.72	1.75	1.71	3.17	6.13	2.47	3.92	9.64	6.94	10.40	2.46	3.29	57.60	61.52
St. James	1.87	1.00	0.57	1.71	3.54	6.30	5.22	5.40	7.78	12.27	3.35	2.02	51.03	64.22
Hanover	1.43	0.57	1.66	4.02	6.06	9.14	11.52	7.58	11.26	10.14	1.39	1.44	66.21	81.25
Westmoreland	1.30	1.79	4.17	7.38	12.24	7.91	10.78	10.40	11.12	10.99	2.55	0.45	81.08	83.75
St. Elizabeth	0.75	1.04	3.29	10.30	6.52	4.16	5.34	9.89	6.83	8.91	2.25	1.31	61.19	65.74
Manchester	1.46	2.07	2.82	9.15	3.45	4.19	3.74	10.34	7.96	9.39	2.82	1.62	59.01	70.82
Clarendon	1.44	1.57	1.91	4.19	3.59	3.89	3.80	8.08	9.17	9.74	3.07	1.01	51.46	59.98
St. Catherine	1.57	1.47	1.79	2.13	4.80	2.77	4.64	9.13	6.44	8.54	2.41	1.61	47.30	64.75
Means	3.01	2.78	2.14	4.22	5.11	4.35	5.32	9.02	8.98	9.14	3.10	2.98	60.15	72.62

TABLE (C).—KINGSTON, JAMAICA—METEOROLOGICAL RESULTS FOR THE YEAR 1938.

(FOR ELEVATION, See Foot Notes 1 and 2).

Month.	Barometer Pressure.		TEMPERATURE (FAR.)									Dewpoint and Relative Humidity.		Rainfall (ins.)		Rain Days.
	7 a.m.	3 p.m.	Mean.	7 a.m.	3 p.m.	Max.	Min.	Range.	Extremes for Month.		7 a.m.	3 p.m.	Actual Fall.	Av. 60 yrs.		
									Max.	Min.					Range.	
	Ins.	Ins.	°	°	°	°	°	°	°	°	°	°	Ins.	Ins.	Av. for No. 49 yrs.	
January	29.990	29.942	76.4	69.9	84.0	85.5	68.4	17.1	88.4	63.7	24.7	64	67	0.05	0.87	
February	30.010	.963	74.9	68.0	82.5	84.3	67.0	17.3	88.2	63.1	25.1	63	82	0.20	0.61	
March	.001	.937	76.0	69.8	83.1	85.3	67.8	17.5	89.3	65.2	24.1	63	80	0.75	0.94	
April	29.971	.916	77.0	72.6	83.2	85.4	68.8	16.6	88.2	65.6	22.6	65	78	0.37	1.17	
May	.950	.901	80.0	77.5	85.0	87.4	72.3	15.1	90.2	69.1	21.1	68	73	0.60	4.01	
June	.977	.933	81.1	77.9	86.1	88.8	73.6	15.2	92.6	71.9	20.7	69	75	2.29	3.53	
July	.968	.931	81.1	77.5	86.6	88.8	73.5	15.3	92.3	71.1	21.2	69	75	0.62	1.53	
August	.912	.885	81.1	77.1	86.4	89.0	74.1	14.9	93.1	71.7	21.4	71	81	6.23	3.60	
September	.900	.859	80.2	75.5	85.4	88.4	73.4	15.0	91.2	70.3	20.9	71	86	5.95	3.87	
October	.874	.823	80.4	75.3	86.3	88.5	73.4	15.1	92.9	69.9	23.0	71	86	3.26	7.10	
November	.875	.820	79.7	73.4	87.1	88.7	71.8	16.9	92.9	69.1	23.8	68	84	0.52	2.92	
December	29.933	29.877	77.9	71.1	85.6	87.4	69.5	17.9	90.9	65.7	25.2	65	80	0.10	1.41	
Means	29.947	29.899	78.8	73.8	85.1	87.3	71.1	16.2	90.8	68.0	22.8	67	80	..	..
Totals	..	..	..	..	..	..	..	..	..	..	..	..	..	20.94	31.56
														59	79	

NOTES:—(1) Since the year 1907, the observations have been made as follows:—

At 148½ East Street—(a) Pressure, Barometer 111 ft. above sea level. (b) Temperature, (Thermometers 107 ft. above sea level and 4 feet above ground). (c) Clouds and their direction.

At Public Works Buildings, Port Royal Street—(d) Rainfall, (Gauge 57.28 ft. above sea level.) (e) Wind—(Anemometer 69.38 ft. above sea level, wind vane 70.88 ft. above sea level.)

(2) Standard Barometer at Public Works Building—24 ft. above sea level.

TABLE (C) contd. KINGSTON, 1938—MEAN RESULTS.

Month.	Wind, Miles per diem.	Wind: from and Miles per hour.			Clouds: in Tenths.						Weather Conditions, etc.			
		7 a.m.	3 p.m.	11 p.m.	Lower.		Middle.		Upper.					
					7 a.m.	3 p.m.	7 a.m.	3 p.m.	7 a.m.	3 p.m.				
January	168	N	5.5	SSE	10.1	N	5.7	1.3	2.5	1.6	2.6	1.5	0.5	Rainfall 6% of normal. Light norther on 13th, 15th, 16th, 24th, 27th and 28th.
February	161	N	4.7	SSE	10.0	N	4.7	1.1	3.0	1.0	2.1	0.4	0.0	Rainfall one-third of normal. Distant rain to N. 4 days, and to N.E. on 2 day.
March	186	N	3.9	SE	15.7	N	3.2	0.6	3.0	0.7	2.8	0.1	0.2	Rainfall 80% of normal. Distant rain to N. on 4 days.
April	188	NE	4.3	SE	15.1	NE	4.1	1.7	3.1	0.5	2.4	0.5	0.9	Rainfall 32 % of normal. Distant rain to N. on 7 days, N.E. 7, E. 1, and W. 2.
May	207	NNE	4.4	SE	16.2	NE	3.3	0.7	2.7	0.9	2.9	1.4	0.9	Rainfall 15% of normal. Distant rain to N. on 13 days, N.E. 7, E. and S. 1 each, S.E. 2, S.W. 1 and N.W. 3 days.
June	249	NNE	4.2	SE	20.6	ENE	4.0	0.3	1.7	0.1	1.6	3.4	3.7	Rainfall 65% of normal. Distant rain to N. 5 days, N.E. 5 and N.W. 1 day.
July	213	NNE	6.1	SE	17.2	NNE	3.5	0.8	3.1	0.7	0.8	2.4	2.3	Rainfall less than half of normal. Distant rain to N. 11 days, N.E. 6, E. 3, S.E. 1, S. 2, and N.W. 7.
August	190	NE	5.7	SE	13.5	NE	4.8	2.1	4.0	0.0	1.6	1.7	2.1	Rainfall 75% above normal. Distant rain to N. 13 days, N.E. 7, S.E. 2, S. 6, S.W. 2, N.W. 5.
September	150	N	3.4	SE	11.8	N	3.2	0.5	4.5	0.4	0.5	3.0	2.3	Rainfall 54% above normal. Distant rain to N. 11 days, N.E. 5, E. 5, S.E. 8 and S.W. 3 days each, W. 2, N.W. 6.
October	141	N	4.6	SE	9.7	N	4.7	1.8	6.1	0.5	1.5	1.3	1.4	Rainfall less than half of normal. Distant rain to N. 14 days, N.E. 4, E. 5, S.E. 1, S. 4, S.W. W. and N.W. 3 days each.
November	139	N	5.1	SE	9.0	N	4.5	0.8	2.5	1.0	2.7	2.8	0.7	Rainfall 18% of normal. Distant rain to N. 5 days, N.E. 1, E. 4, S.E. 1, S. 3, W. and N.W. 1 each.
December	156	N	5.5	SSE	9.9	N	5.5	0.6	2.0	0.9	3.0	0.8	0.0	Rainfall 7% of normal. Distant rain to N. 2 days, N.E. 2, E. 1, S. and W. 1 each.
Means	179	NNE	4.7	SE	13.2	NNE	4.3	1.0	3.2	0.7	2.0	1.6	1.2	Rainfall for the year 20.94 inches with 59 days of rain.

TABLE (D).—Summary of Extremes of Instrumental Observations, for the year, 1938

Month.	Barometer.			Temperature (Fah.)		Surface Wind.				Relative Humidity lowest.			Rainfall greatest in 24 hours.				
	Highest.	Lowest.	Date.	90° and above No. of days.	Below 70° No. of days.	Miles in 24 hours.			7 a.m.		3 p.m.						
						Greatest.	Least.	Greatest Velocity.	%.	Date.							
												%.		Date.			
January	30.131	29.881	5	0	24	289	7	108	30	26	23	61	22	50	18/29	0.03	1
February	.101	.943	20	0	26	265	26	108	17	24	16	72	27	45	26	0.08	23
March	.056	.930	27	0	27	268	20	114	9	36	14	65	22	41	8	0.57	27
April	.013	.898	24	0	20	389	7	114	28	30	1	65	7	53	28	0.16	26
May	29.992	.884	6	1	2	343	30	120	22	25	23	63	30	53	1	0.30	25
June	30.014	.886	2	6	0	325	26	132	29	36	9	62	27	52	10	2.16	14
July	.029	.887	25	10	0	339	12	110	16	36	14	63	12	46	12	0.28	17
August	.013	.779	23	10	0	394	24	107	9	30	2	69	2	52	19	2.74	11
September	29.953	.802	13	3	0	262	21	91	18	28	3	79	4	51	21	2.24	4
October	.985	.760	28	5	1	215	23	80	17	30	23	77	9	56	8	2.00	20
November	.947	.705	7	6	5	213	10	98	7	24	10	69	4	44	13	0.55	5
December	30.018	29.806	16	3	17	272	17	110	11/23	24	26	67	16	42	17	0.07	8

The barometer readings are reduced to sea level, also corrected for diurnal variation.